BILLINGTON EXPORT LTD

Specialists in vintage, rare and obsolete tubes and valves for audio and industry

www.billingtonexportltd.com

Established 1981

+44 (0)1403 784 961

WHOLESALE VALVE CATALOGUE
JUNE 2025 v2

Our preferred contact method is via sales@billingtonexportltd.com please, as we need to check stock, prices & data which unfortunately cannot be done whilst you wait on the phone, so email communication is preferred, thank you

COLOUR CODED FOR EASE

BLUE	**NOS (MAJORITY OF STOCK)**
BLACK	**USED**
RED	**GRADE ONE* AND IMPORTANT INFORMATION**

* **Grade One** valves are slightly used items of best physical appearance.
Unless stated otherwise they have small stains in the glass. Stains may also mean small imperfections to getter, base, for example.

Occasionally we have **Grade One** items with NO stains. These cost MORE THAN THE PRICES LISTED in this catalogue. Please enquire for prices.

In **all** cases **Grade One** items are individually tested to a **minimum** of **80 per cent** emission [gm] and **minimum** of **80 per cent** Ia. They are **guaranteed** and presented in attractive packaging. Statutory rights are unaffected.

Selected with the **audiophile** in mind. Standard used valves sometimes have print missing making it hard to see the type number and brand logo.

Grade One valves always carry the type number and appropriate **logo** [**GEC, Mullard, Sylvania** etc.]

Grade One are superior in appearance and performance to usual used valves supplied by other companies.

BILLINGTON EXPORT LTD

PLEASE ENQUIRE ABOUT ANY TYPE NOT LISTED AS WE HAVE APPROXIMATELY 1 MILLION VALVES IN STOCK

In the tube and valve business since 1981 and located at our Billingshurst UK warehouse since 1992

*Visitors to our premises **by appointment only** please*

Most tubes & valves in our warehouses are not already tested as this is done after a definite order is placed

If you would like to collect goods from our premises, please state specific items required **3 working days** before your pre-arranged visit, so that we can collect items from one of our buildings and carry out testing etc, thank you (we are closed Saturday and Sunday and UK Bank Holidays)

We like to help, but please understand that we are a wholesaler, not a retail shop
Often we can improve on the 3 days mentioned above, if it's agreed in advance

TECHNICAL INFORMATION PROVIDED IN THE CATALOGUE

We will advise where possible, but data etc provided in the catalogue assumes that you are an experienced electronic technician.

Please note that several people have provided us with technical data (mainly more than 10 years ago). You are free to use this data as a free gift, in good faith, if you are an experienced electronic technician, to study and aid development of your own ideas.

Data provided in the catalogue is believed to be good quality and correct but we don't accept responsibility for the results.

The data you see in the catalogue is therefore intended to be a guide only - not step-by-step instructions.
We try to be helpful but advice, available by email only, is limited. We cannot usually advise about valve data by telephone.

Please refer to our website www.billingtonexportltd.com for our full terms and conditions

PLEASE NOTE
In most cases 2.7% duty will be payable because we are not in the EU

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PLEASE ADD 50 PERCENT RETAIL SURCHARGE FOR ORDERS UNDER GBP240.

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INDEX OF TERMS AND ABBREVIATIONS

ALTERNATIVES	If we say, “An alternative to EF86”, this does not mean it is an equivalent. If you are building equipment you might modify the circuit, socket, etc, (to adapt the circuit, to use the alternative cheaper tube, instead of rare and expensive “classic“ UK/USA made tubes like EF86). If you’re investing in tubes for future audio amplifier building, tubes described as “alternative” are lower cost, more plentiful and worth considering. Ask for free data, we can often help.
Audio rectifier / audio triode	Tubes that can be "adapted" for audio purposes. As tubes becomes scarcer, people are adapting low cost "non-audio tubes", to possess a good stock for the future. “Audio rectifier" means tubes that can be adapted for audio, although when first built, 40, 60 or 80 years ago, their primary function was non audio.
Audio type	These types are already established in amplifier use.
BB	BUBBLE BAG. Some used valves and Grade One valves costing less than GBP2.00, will now be supplied in bubble bags.
BILLINGTON GOLD	Tested within very tight limits and inspected for superior physical conformity. Guaranteed. A good reputation worldwide, especially amongst Asian audiophiles. Blue/red/gold original box. Statutory rights are unaffected.
BP	BULK PACKED. Valve is packed in “bulk pack” or “egg crate”.
Conditional guarantee	GUARANTEE limited to that offered to us by the individual suppliers concerned. These suppliers usually give free of charge replacements in the unlikely event of any problems, depending on the technicalities of any returned item. Statutory rights are unaffected.
GVT	GOVERNMENT BOX.
G1	GRADE ONE BOX. Packed in our own attractive **Grade One** box and packaging.
MIXED	A random selection of good brands. If you wish to specify particular brands please add an extra GBP1.00 per valve for sorting.
NOS	NOS means "new old stock." Vintage made valves that are in new condition. NOS tubes are vintage manufacture, discontinued, rare and obsolete. New, yet old, hence NOS. 90 percent of our tubes are over 40 years old. If the original boxes “OB” have not survived the years, then we supply the valves in clean white boxes “WB”. Our catalogue will show “OB” or “WB” accordingly. All of the above is standard practice throughout the valve industry. Statutory rights are unaffected. We want you to be satisfied. Unless specifically marked otherwise, all tubes carry our "no fuss" guarantee.
OB	ORIGINAL BOX – if denoted ‘original box’ we will supply to you in the manufacturer’s old original individual boxes.
POA	PRICE ON APPLICATION - we might or might not have stock, please enquire.
Potential audio type	* If you or your clients want to build audio amplifiers with fresh, innovative types of tube, then “potential audio types” are for you. * Our consultants have successfully built audio amplifiers with many of these types. Potential audio types are better value for money compared with “well-known” audio valves (such as ECC83, 300B, EL34, KT88 etc). * The advantage to you of these types is that for a lower cost you get a UK/USA made item. UK/USA are often expensive and very limited in quantity. * Potential audio types are available in good quantities, good quality and a low price. * Please refer to "audio rectifier." Further up this page.
PRICE	All prices are in British Pounds Sterling (GBP). **Please contact us for confirmation and current quotation.** All items are offered subject to prior sale. Quantities available and prices vary. Unless specified otherwise all prices, including bulk offers eg 4 pieces @ GBP50, are for **one tube.**
SIMILAR	When we refer to a tube as being similar it means that the data is close to that of the original tube but the data/socket/pinout may be different. Please ask us for a data sheet, which should provide the necessary information. See also “similarities”.
SIMILARITIES	When we refer to a tube as having similarities to another, this means that the data is fairly close to the original, but the data/socket/pinout may be significantly different, so the circuit may require modification. *If you’re investing in tubes for future audio amplifier building, t*hese UK/ USA made tubes are worth considering as there is a good supply of them at sensible prices, especially if new designs are being considered.
USED	Ex-equipment/pulls, not new appearance but carefully tested, with clean appearance. With guarantee. Statutory rights are unaffected.
WB	Unless clearly stated as **Used,** white-boxed items are genuinely new, clean, with guarantee. NOS. Statutory rights are unaffected.

This catalogue lists our most popular lines but is not a complete listing of our stock.
If you cannot find the item you want listed please ask as we may have it in stock.

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BILLINGTON EXPORT LTD

The Catalogue

Our aim is to provide top quality tubes at competitive prices, to our customers all over the world. We try to treat our customers as we would want to be treated.

WE have 1,000,000 tubes at our 2 UK warehouses, so if you need tubes for audio, industrial use, radio or other purposes, we most likely have it in stock.

Demand for audio tubes / valves continues to increase. We stock over one million rare and obsolete tubes and valves including brands such as Mullard / GEC / STC / Brimar and other classic brands such as RCA, Sylvania, Siemens, Telefunken, AEG, Tungsram, RFT [Germany] and Tung-Sol, all of whom stopped manufacturing around 40 years ago.

We also stock sockets and top caps. Please refer to the socket section at the end of this catalogue. The quality of current production Chinese tubes and valves has greatly improved. We also stock Sovtek [Russia], Svetlana [Russia], JJ [Slovakia], Ei [Yugoslavia], Western Electric & KR Ent. [Czech Republic].

This catalogue contains lists of:

Camera tubes
Klystrons
Tubes for guitar amplifiers
Photomultipliers
Thyratrons
Transmitter valves
CV types
Industrial valves
Hi-fi, domestic radio, amateur radio
RF welding & heating valves
Travelling wave tubes
TR cells

Tubes for guitar amplifiers, hi-fi, domestic radio, amateur radio, RF welding as well as tubes for medical and industrial applications
Chinese, Russian and EI [former Yugoslavia] valves, all types available, please enquire.

Please ask for our separate catalogue of CRTs

Please telephone, fax or e-mail for prices and availability

This catalogue gives only brief information, should you require any further details regarding any type not listed please do not hesitate to contact us. We have a constantly moving stock and new items are always becoming available.

If you wish to visit, this needs to be arranged in advance with Martin Billington.

Please complete the form at the end of the catalogue and send to us before your visit, allowing at least 2-3 days for valve / tube preparation, thank you.

Billington Gold

Long known as specialists in rare valves, Billington Export Ltd provides a line of premium grade valves to fill the increasing demand for hard-to-find valves!

Billington Gold valves are individually tested within very tight limits and inspected for superior physical conformity and mechanical construction.

Billington Gold valves make Valve Amplifiers sound better.

Billington Gold valves are:

- Selected from the best world-wide manufacturers with emphasis on the highest audio quality and product reliability.
- Selected for long life, low microphony and low noise.
- Guaranteed for 12 months from dispatch date. Statutory rights unaffected
- Supplied with original logo and in an attractive blue/red/gold original box.
- Gold plated pin versions are available.

Billington Gold valves have a good reputation world-wide especially amongst Asian audiophiles.

If your order consists ENTIRELY of **Billington Gold** items, then dispatch of your parcel will be faster than orders of other brands. Same day dispatch is sometimes possible on Billington Gold items.

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TYPE	COMMENT	BOX	£ GBP PRICE each
01A / 201A	These are 201A UX201A or other equivalents to 01A. They are globe shape, long pin. NOS.	**WB**	**50.00** **4 @ 35.00**
01A /	These are 01A or equivalent to 01A. They are shoulder shape NOS.	**WB**	**50.00**
0A2	Please refer to OA2.		
0A2WA	Please refer to OA2WA.		
0A3	Please refer to OA3.		
0B2	Please refer to OB2.		
0B2WA	Please refer to OB2WA.		
0C35	Please refer to OB35.		
0C71	Please refer to OC71.		
0D3	Please refer to OD3.		
0RP12	Please refer to ORP12.		
01A / 201A **Grade One**	These are 201A or UX201A. Equivalent to 01A. They are globe shape, long pin. Tested as grade 1, good appearance. Some look or test nearly new.	G1	**35.00** **3 @ 33.00**
1AD4	Raytheon USA. **Potential audio type**. This type is referred to in Vacuum Tube Valley magazine, Issue 13. This is a sub miniature tube with 1.25V filament. Data available free.	OB/GVT	**3.00** **20 @ 2.75** **300 @ 2.40**
1B3GT	**Or CV1830**, GE, RCA, Sylvania and Westinghouse, USA. NOS. CV1830 high voltage rectifier. Approx 20 of each brand. Data http://www.mif.pg.gda.pl/homepages/frank/vs.html	Mostly OB	**3.00** **100 @ 2.50**
1C5GT	USA. NOS.	OB/WB	**3.00** **100 @ POA**
1E7G	USA. NOS and guarantee. Includes Sylvania, GE & Westinghouse.	OB/WB	**3.20** **16 @ 3.00**
1EP1	UK/USA NOS. Good quantities in actual physical stock. Please enquire.	Most OB	**POA**
1G3GT	USA. NOS. high voltage rectifier.	OB/WB	**2.40** **100 @ 2.00**
1H5GT	UK/USA NOS. Good quantities in actual physical stock. Please enquire.	Most OB	**POA**
1L6	USA. NO	OB/WB	**30.00**
1N-1	Alias IN1, large Nixie tube for clocks etc. USSR vintage NOS.	OB/WB	**8.00** **20 @ 7.00**
1N3883	Made in UK or USA. NOS/New. 6A 400V Fast Recovery Diode in military pack, minimum order 10 pieces.	GVT	**10 @ 2.00** **50 @ 1.60**
1N5GT	USA. NOS.	OB/WB	**3.00** **100 @ POA**
1P5G/ GT	USA NOS.	OB/WB	**10.00**
1P21	USA NOS.	OB/WB	**30.00**
1P22	USA NOS.	OB/WB	**30.00**
1P25	USA NOS.	OB/WB	**30.00**
1P28	USA NOS.	OB/WB	**48.00**
1P29	USA NOS.	OB/WB	**15.00**
1P37	USA NOS.	OB/WB	**15.00**
1P39	USA NOS.	OB/WB	**48.00**
1P39 / 929	These are 929. Equivalent or near equivalent to 1P39. RCA/other USA NOS.	OB/WB	**60.00**
1P40	USA NOS.	OB/WB	**15.00**
1P41	USA NOS	OB/WB	**15.00**
1P42	USA NOS.	OB/WB	**15.00**
1Q5GT	USA GE, Sylvania, Tung-Sol or Mullard UK or Fivre Italy. NOS.	OB/WB	**3.00** **100 @ POA**
1R5	RCA, Sylvania and Westinghouse, USA. NOS. A few Mullard, most have logos. Equivalent to DK91. B7G socket to fit from stock.	Mostly OB	**5.00**

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TYPE	COMMENT	BOX	£ GBP PRICE each
	Data: Vf=1.4V, If=50mA, Va=90V, Ik=2mA. More data/curves at http://scottbecker.net/tube.		
1S4	USA. NOS.	OB/WB	**3.00** **100 @ POA**
1S4110A	UK/USA NOS. Good quantities in stock. Please enquire.	Most OB	**POA**
1S5 / DAF91	USA / UK NOS. Several brands including Ediswan, RCA, Tung-Sol & Westinghouse.	GVT	**3.00**
1T4	Mullard UK NOS. Printed CV785 (not printed 1T4 or DF91). Clean & guaranteed.	GB	**3.00** **20 @ 1.70** **200 @ 1.00**
1U4	USA NOS. 1,000 each of RCA, Sylvania and Tung-Sol. Clean and guaranteed. Antique radio tube / potential audio type. Long lasting good quality signal valve. Photo www.ebay.co.uk/str/billingtonexport?_trksid=p4429486.m3561.l161211 Data https://frank.pocnet.net/sheets15.html	OB/GVT	**4.00** **20 @ 2.00** **100 @ 1.50** **3,000 @ 1.10**
1U5	UK/USA NOS. Good quantities in actual physical stock. Please enquire.	Most OB	**POA**
2-50A	USA NOS HV rectifier.	OB/WB	**40.00** **6 @ 35.00**
2A3	Chinese by the Shuguang factory NOS tested guaranteed. UX4 base, 4 only.	OB/WB	**40.00** **4 @ 37.50**
2A3	Chinese 8 pin, when available. Rare, expensive.	WB	**POA**
2A3	Chinese. Please refer to 2A3B equivalent.	OB/WB	**50.00**
2A3	RCA logo, USA. NOS. If ever available GBP90 wholesale double anode. GBP360 single anode.	OB/WB	**POA**
2A3	USA. NOS. Brimar, Sylvania, Westinghouse etc. When available GBP80.	WB	**POA**
2A3 / 2A3-40	JJ logo. New, tested, guaranteed, black base. A plug in replacement for any 2A3. 8 only in stock. The manufacturer says, “Quite possibly the sturdiest modern production triode we have ever seen. This JJ 2A3 boasts a 40 watts plate dissipation rating which will provide wider dynamic response to any system. This 2A3 is single plate construction. This tube looks and sounds fantastic.” A client said, “The JJ 40 Watt 2A3 has improved soundstage with better definition. The instruments are more separated and distinct. If you have a variable filament transformer, the tube is un-phased by lower filament voltages. Overall the tube is just more robust sounding and powerful than any other 2A3”. Colourful OB.	OB	**115.00** **4 @ 85.00**
2A3 / 2A3B	These Psvane logo Chinese 2A3B plug in to replace 2A3 in all cases. New, tested, guaranteed.	OB/WB	**55.00** **10 @ 50.00**
2A3 / 2A3C	These Psvane logo Chinese 2A3C plug in to replace 2A3 in all cases. New, guaranteed & tested. Improved design with carbon anode.	OB	**60.00** **10 @ 55.00**
2A3B	These Chinese 2A3B plug in to replace 2A3 in all cases. Unused, look new and clean guarantee but test 65-85 percent emission. Psvane logo.	OB	**32.00**
2A5	USA NOS. Several different brands but sets of 2 the same brand same appearance/brand. Audio circuit for 2A5 at http://diytube.com/phpBB2/viewtopic.php?p=17743	OB/WB	**13.00** **10 @ 11.00** **20 @ POA**
2A6	Fivre Italy NOS. Audio diode/triode [UX6 socket, to fit, in stock]. Data http://tubedata.itchurch.org/sheets21.html	WB	**5.00** **5 @ 2.80**
2B22	USA NOS. Offers considered for 10 pieces.	OB	**66.00** **10 @ 55.00**
2BP1	CV3678. Made by RCA in USA, for the British Government. 2 inch CRT. NOS.	OB/WB	**16.00** **20 @ 14.00**
2BP31	Made by Brimar UK 2 inch CRT. NOS.	OB/WB	**12.50** **30 @ 11.00**

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TYPE	COMMENT	BOX	£ GBP PRICE each
2C22	USA NOS. Audio type, stock. Please refer to 7193 equivalent.	OB	**POA**
2C26 / 2C26A	West European made, including Brimar. STC.	OB/WB	**3.00** **30 @ 1.80**
2C34	& equivalents, like 10 x 4074A, 10 x VT61A, 6 x DET19, 2 x RK34 & 2 x CV18. In sets of 2 of the same brand & appearance. UK/USA NOS. Includes GEC UK, Raytheon USA NAFT Union, STC/Brimar, Osram. NOS. With guarantee. Potential audio type. Photo/data www.r-type.org/exhib/aac0019.htm scroll down for the data pdf.	OB/WB	**10.00** **10 @ 7.00** **50 @ 5.50**
2C39A	ITT/STC UK and Matchlett, USA.	WB	**35.00** **50 @ 20.00**
2C39BA / 7289	RT logo made in France. NOS. Uniform and with guarantee. This RF transmitter triode can be adapted for audio. A page discussing audio application can be emailed on request. Might make a powerful audio amplifier. 100W! Near offers considered for 20 pieces or more. Data http://tubedata.itchurch.org/sheets23.html	OB	**4 @ 15.00** **20 @ 12.00** **100 @ 10.00**
2C39BA	GE USA and STC UK.	WB	**35.00**
2C40	UK/USA NOS. Good quantities in actual physical stock. Please enquire.	Most OB	**POA**
2C46 / CV2933	Mullard, UK NOS. 2C46 is a high gain, broadband lighthouse triode. Data www.r-type.org/exhib/aaa0132.htm	GVT	**9.00** **60 @ POA**
2C51	Please refer to **5670**. Equivalent to 396A.		
2C51 / 396A	Western Electric logo. USA NOS. Square getter, black anode.	OB	**POA**
2C51 / 396A USED	Western Electric logo. Square getter, black anode. USA made. Used but test approximately 65 to 75 percent emission.	Used OB	**22.00**
2C52 USED	USA, tested. Used, guaranteed. Various USA brands. You will receive 2 of the same brand & appearance.	WB	**8.00** **12 @ 7.00**
2C53	USA brands when available.	GVT	**POA**
2D21	Brimar logo. Imported NOS, guaranteed.	OB	**7.00** **17 @ 6.00**
2D21	Zaerix logo, made by RRT Germany or Russia.	WB	**5.00** **50 @ 4.50**
2D21	Please refer to **5696** for super low cost possible alternative, not equivalent.		
2D21 / 2D21W / EN91	Mullard made in UK / Holland.	OB/WB	**7.50** **48 @ 6.00**
2D21 / 5727	GE, Raytheon, RCA, Sylvania - USA, NOS. In sets of 8 or more pieces of the same brand / same appearance.	OB/WB	**7.00** **10 @ 6.00** **100 @ 5.00**
2E24	80 RCA logo & 200 Hytron logo, USA. NOS. Octal base. ***Suitable as an audio output tube with over 50 watts in class AB2!*** Data: Vf=6.3V, If=650mA, Va=500V, Ik=75Ma http://frank.pocnet.net/sheets21.html	GVT	**6.00** **10 @ 5.50** **280 @ 4.50**
2E26	Mullard, Sylvania & RCA, USA. NOS.	Most OB	**5.00** **16 @ 4.00**
2E32	Please refer to **6611** for a possible alternative, not identical.		
2G220 / CV8322	Semi-conductor made in UK/USA. In stock.	OB/WB	**POA**
2J55	Chinese made, NOS. 90 day guarantee. 1 ONLY.	OB/WB	**150.00**
2K25	Mullard, UK NOS. Klystron.	GVT	**30.00**
2N43A	Transistor. USA or UK made. NOS. VINTAGE GERMANIUM PNP TRANSISTOR. Not substitutes, but actual 2N43A marked. Great for fuzz box construction. Long leads.	OB/WB	**4.00** **25 @ 3.00** **500 @ 2.50**
2N1308	Transistor. USA or UK made. NOS. VINTAGE GERMANIUM TRANSISTOR. Not substitutes, but actual 2N43A marked. Great for fuzz box construction.	OB/WB	**2.30** **25 @ 1.63**
2N5172	Transistor. USA or UK made. NOS. **25 pieces for GBP20**. Equivalent to 0.80 GBP each but we cannot split the 25 pieces	OB/WB	**20.00**

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TYPE	COMMENT	BOX	£ GBP PRICE each
2P	Cossor, UK NOS audio triode. If available, then estimated wholesale price is GBP200.	OB	**POA**
2S22 / CV5099	Semi-conductor made in UK/USA. In stock.	OB/WB	**POA**
2X2A	USA NOS. Brands include RCA, National Union and others. You will receive 5 pieces identical brand. Appearance may vary. Guaranteed.	Most GB	**2.50** **5 @ 1.80** **300 @ 1.50**
3-200A3	Alias GL-592. Huge triode, possible audio application. Data/photo https://www.radiomuseum.org/tubes/tube_592.html Eimac or GE, USA NOS, guaranteed.	OB/WB	**100.00** **2 @ 90.00** **6 @ 80.00**
3-400Z	Eimac, USA made NOS. With guarantee. We have sockets for these.	WB	**POA**
3-500Z = 3-500c	Chinese made. NOS Tested, guaranteed. Socket 5FB fits. Same price for retail or wholesale.	OB/WB	**130.00**
3-500Z	Eimac, USA. NOS. Occasionally available.	OB/WB	**POA**
3-1000Z	Huge triode, possible audio application. Eimac, USA. NOS. Approximately 20 years old. Tested and very clean with guarantee. One piece only. Eimac no longer make this tube, but Amperex recently charged over 2000GBP. Data: http://www.tubedata.info/ if you have difficulty please contact our office.	OB	**400.00**
3-1000Z USED	Huge triode, possible audio application. Eimac, USA. NOS. Approx 20 years old. Tested used, decent appearance with guarantee. One piece only. Data: http://www.tubedata.info/ if you have difficulty please contact our office.	OB	**200.00**
3A4	Mullard, Siemens and Valvo, West European brands.	OB/WB/ BP	**3.00**
3A4 / DL93	NOS audio pentode for studio driven computer speakers. Data/photo http://www.r-type.org/exhib/aai0104.htm MWT Marconi UK, Brimar UK, Philips West European brands. Data: http://www.tubedata.info/ if you have difficulty please contact our office.	OB/WB	**3.50** **20 @ 2.50** **100 @ 2.25**
3A4 / DL93	NOS audio pentode for studio driven computer speakers. Data/photo http://www.r-type.org/exhib/aai0104.htm Tungsram Hungary. Data: http://www.tubedata.info/ if you have difficulty please contact our office.	OB/WB	**3.00** **10 @ 2.50** **100 @ 2.00**
3A5 / DCC90	50 RCA logo USA. NOS. Some are square getter. Also x 20 Fivre with rare & interesting Italian military sticker.	OB	**7.50** **20 @ 7.00** **50 @ 6.50**
3A5 / DCC90	USA NOS, tested with logo. Westinghouse, Raytheon.	Most OB	**6.50** **50 @ 6.00** **100 @ POA**
3A-107A	STC logo, UK NOS. 1 or 2 pieces.	GVT	**50.00**
3A-107B	STC logo, UK NOS. Balloon shape. 1 or 2 pieces.	GVT	**72.00**
3A-107B	STC logo, UK NOS. ST “Coca-Cola” bottle shape. 1 or 2 pieces.	GVT	**52.00**
3A-108A / TS9	Mazda logo West European. NOS. Tested/guaranteed. Audio triode. Contact our office for suppliers of sockets for this tube. These are TS9, exact equivalent to 3A-108A. Data/photos http://www.r-type.org/exhib/aaa1287.htm	GVT	**37.50** **8 @ 36.00**
3A-108A	STC logo, UK. NOS. Tested/guaranteed. Audio triode. Contact our office for suppliers of sockets for this tube. Data/photos http://www.r-type.org/exhib/aaa1287.htm	GVT	**37.50** **4 @ 36.00**
3A-108A USED	STC logo, UK. Wholesale guide price GBP25, if available.	WB	**POA**
3A-108B	STC logo, UK. NOS. Tested/guaranteed. Audio triode. Socket to fit in stock. Ref SOC4B4-B5A. See also TS9 near equivalent.	GVT	**60.00** **2 @ 55.00**
3A-109A	STC logo, UK. NOS guide price GBP60 if available.	WB	**POA**
3A-109B	STC logo, UK. NOS. Audio triode. When available guide price GBP85.00	OB/WB	**POA**
3A-110A	STC logo, UK. NOS. Audio triode. We have sockets to fit.	OB/WB	**40.00**

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TYPE	COMMENT	BOX	£ GBP PRICE each
			8 @ 30.00
3A-110A USED	STC logo, UK. Used and tested. Guide price GBP25 wholesale.	GVT	POA
3A-110A USED	STC logo, UK. Used and tested **only 50-60 percent** emission. NOS has emission 2.2 ma/v, these are 1.1 or 1.3 ma/v. Data/photo www.tubecollector.org/3a110a.htm. Due to low emission these are 33 percent of normal price.	GVT	17.00
3A-110B	STC logo, UK. NOS. Audio triode. 4 only. We have sockets to fit.	OB/WB	75.00
3A-141A / 4101D	STC logo UK NOS 3A-141A, near equivalent to 4101D. Data: http://www.tubedata.info/ if you have difficulty please contact our office.	O/WBB	100.00 4 @ 80.00
3A-142A	**Equivalent to 102D / 4102. These 3A-142A are** STC logo UK NOS. 2 pieces the same. Audio triode. Data: http://www.tubedata.info/ if you have difficulty please contact our office.	GB	110.00 2 @ 105.00
3A-144A	STC equivalent to W.E. 104D rarely available.	WB	POA
3A-167M	CV5112 STC logo, UK. NOS. Sometimes available at GBP250 wholesale price for NOS. Please enquire.		POA
3A-167 / 5A-180M	These 5A-180M are STC UK, NOS logo. 5A-180M pentodes can be triode connected to give GM32, 5A-180M are similar to 3A-167M (GM45), though not equivalent. 5A-180M is similar to 436A 437A EC8020 E55L, BUT NOT equivalent. 5A-180M data/photo http://www.r-type.org/exhib/aai0143.htm	Most OB	40.00 3 @ 37.50
3A-167 / 5A-180M USED	These 5A-180M are STC logo, used, tested. UK made. 2 pieces only. DATA & equivalents listed in NOS paragraph above.	Most OB	25.00
3A-172B	STC logo Vintage UK, NOS. 3A/172B is a HIGH gain (mu=30), audio triode signal tube with a B7 British base. **Sockets to fit from stock** refer 7PT4 or 7PT4C. Heater 12.6v @ 0.2a, anode 250v, mutual conductance 3, amplification factor 30. This audio triode is equivalent to HL1320 CV1679. Tested/guaranteed. Data http://tubedata.tubes.se/index.html Photo/data www.tubecollector.org/cv1670.htm	OB	15.00 50 @ 12.00
3AMP1	Please refer to **DG7-32**.		
3B4	Audio pentode. USA NOS clean, guarantee. Hytron/CBS, (Hytron and CBS merged in 1950 approx). 3B4: Vf=1.25V, Ik=25mA, S=1.7mA/V, Pa=3W. Photo/brief data: http://www.radiomuseum.org/tubes/tube_3b4.html Data: http://tubedata.milbert.com/sheets31.html	OB/GVT	1.50 600 @ 1.20
3B24W	All NOS. 20 pieces, Ediswan/Mazda UK NOS.	OB/WB	9.00 20 @ 7.50
3B24WA / 3B24WB	Various USA NOS. Cetron, Westinghouse and others.	Most OB	6.00 52 @ 4.50
3B28	50 RCA logo. USA NOS. Tested/guarantee. D getter. Audio half wave rectifier. Data: Vf=2.5V, If=5000ma, Va=5000V, Ik=500ma. This rectifier suits 211, 805, 810, 845. 4-125A beam tetrode along with 866A or 3B28 would make a driver amplifier / booster amplifier. Beware of high voltages. Refer to https://peteslab.blogspot.com	Most GB	20.00 4 @ 16.00 50 @ POA
3B28	Made in UK by GEC or Mullard. NOS, tested, guaranteed. Few only.	Most OB	20.50
3B28	Philips logo. Made in France or Holland. NOS. UX4 Base. Audio half wave rectifier. They are printed DCX/4-1000. 3B28 data: Vf-2.5V, If=5000mA, Va=5000V, Ik=500ma. More data www.tubedata.org Very useful rectifier. Suits 211, 805, 810, 845. 'D' getter version.	OB/GVT	16.00 10 @ 14.00 100 @ 11.00
3B28	USA NOS except RCA Audio half wave rectifier. Data: Vf=2.5V, If=5000ma, Va=5000V, Ik=500ma www.tubedata.org	OB/WB	15.00 150 @ 10.00
3B28 Grade One	GEC UK with GEC sticker. Tested as Grade One.		9.00 20 @ 7.00

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TYPE	COMMENT	BOX	£ GBP PRICE each
3B-240M	STC logo, UK NOS. **Audio** triode with Loctal base 89MA. Tested and guarantee. A high gain triode. 37 watts from only 325v anode voltage. We saw these in audio amplifiers in Japan. Data: Vf=6.0V, Va=300V, S=27mA/V or http://frank.pocnet.net/vademecum0.html	GB/WB	**30.00** **12 @ 20.00**
3BP1	3 inch CRT. NOS. 4 only.	OB	**20.00**
3BU8	USA NOS. Most with logo. Some similarities to ECF80, but ECF80 has separate cathodes. Potential audio type. Data http://tubedata.itchurch.org/sheets31.html **ECF80:** Vf-6.3V, If=430mA, Va=250V, Ik=14ma, S=6.2mA/v, Pa=1.7W. **3BU8:** Vf-3.15V, If=600mA, Va=275V, Ik=18ma, S=1.5mA/v.	OB	**2.40** **30 @ 2.20** **500 @ 1.75**
3C4 / DL96	USA or UK. NOS.	OB/WB	**6.00**
3C23	Cetron, Tung-Sol etc. UK/USA NOS. This 4 pin thyratron has similarities to 8 pin 393A Western Electric.	Most OB	**25.00** **6 @ 22.00**
3C24	EEV, UK. NOS. Audio triode. Tested guaranteed. EEV was part of GEC.	GVT	**50.00**
3C24	USA NOS inlcudes Heintz USA. Audio triode. Tested guaranteed.	GVT	**20.00** **4 @ 15.00**
3C24 / 24 / HK24	6 pieces USA NOS. These are 24 / HK24, 4 pin by Heintz, equivalent to 3C24. Do not confuse this with type 24, 6 pin or 8 pin, is not equivalent. Data http://www.r-type.org/exhib/abh0117.htm	OB/WB	**40.00** **6 @ 30.00**
3C24 / 54 / HK54	6 pieces USA NOS. These are 54 / HK54, 4 pin by Heintz. A higher powered version of 3C24. Data http://www.r-type.org/exhib/abh0120.htm	OB/WB	**60.00** **8 @ 48.00**
3C24 USED	EEV, UK. Audio triode. Used, tested, guaranteed. EEV was part of GEC.	WB	**25.00** **8 @ 20.00**
3C45	East European NOS. Clean and tidy. Guaranteed Data http://tubedata.itchurch.org/sheets31.html	OB/WB	**10.00** **5 @ 8.00** **20 @ POA**
3C45 / CV372	EEV UK. NOS. Clean and tidy. Guarantee is 12 months from despatch date. Equivalent to FX227 and 3C45.	OB/WB	**40.00** **20 @ 30.00**
3CX1500A7	Chinese. Equivalent to 8877. New recent manufacture. We cannot test this but it is guaranteed 12 months from the date it is shipped from our office. World beating price. (1 only).	OB/WB	**300.00**
3CX3000A7	Chinese. Recent manufacture. Tested with guarantee.	OB	**745.00**
3D6	Best Sylvania. USA. NOS. With logo. A battery amplifier pentode. Loctal sockets to fit this tube, from stock. Photo & data www.r-type.org/exhib/aad0188.htm	OB/WB	**5.00** **10 @ 4.00** **60 @ 3.00**
3D21A	STC logo, UK NOS CV2659. Audio tetrode/pentode, 3D21A suits class AB2 audio. **Some** similarities to EL34, differences include the pin out. Data with curves available. Makes a great electrostatic headphone amplifier, eg Singlepower Audio. Octal base. Data: Vf=6.3V, If=1.7A, Va typical =+250V, Ra=0.45K, Vg=-150V, Vg=800V, Gm=5.5mA/V. Data/curves http://tubedata.itchurch.org/sheets32.html	OB/GVT	**8.00**
3D21A	Hytron logo, USA. NOS. Photo on request. Data: http://www.tubedata.info/ if you have difficulty please contact our office.	GB/WB	**14.00** **30 @ 11.00**
3D21WB	Tung-Sol, USA. NOS. With logo. Black base. Photo of similar item http://www.radiomuseum.org/tubes/tube_3d21wb.html Data http://scottbecker.net/tube/sheets31.html	Most GB	**25.00** **8 @ 20.00** **20 @ 19.00**
3D23 / 35T	These are 3D23 USA. NOS. A tetrode version of 35T. Library photo www.radiomuseum.org/tubes/tube_3d23.html Data: http://www.tubedata.info/ if you have difficulty please contact our office.	Most GB	**50.00** **4 @ 38.00**

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TYPE	COMMENT	BOX	£ GBP PRICE each
3DP1	USA, 3 inch CRT. NOS.	GVT	**30.00** **5 @ 28.00**
3EG1	CRT equivalent to XCV1526, CV2280 & CV9241. 3 inch round screen, thought to be made in 1930.	OB/WB	**40.00**
3J160E	UK made. NOS (equivalent to CV2245), UK made VHF transmitter triode. By STC UK. They handle 1 KW input at 120 MHz. Data http://scottbecker.net/tube/index.html	GVT	**250.00** **10 @ 220.00**
3J170E	UK manufacture.	GVT	**POA**
3JP1	USA made, 3 inch CRT. NOS.	GB	**30.00** **24 @ 24.00**
3RP1	Made by RCA in USA, 3 inch CRT. NOS. Only 1 or 2, so decide quickly.	WB	**80.00**
3Q4	3Q4 DL95 mix USA, includes RCA, Tung-Sol, Sylvania. NOS but store soiled, some are lacking print. Made in the USA and supplied in egg tray / bulk pack. Max power output is 250mw. You can parallel 3 pieces in a SE configuration, similar to circuit 1. This circuit is available from our office. Or suitable as output tube for a headphone amp. Data http://tubedata.itchurch.org/sheets32.html	BP	**3.00** **20 @ 2.20** **600 @ 2.00**
3Q5GT	Sylvania and Kenrad, USA. NOS. With logo. Possible audio type. Vf=1.4V, If=100ma, Va=90V, Ik=10ma More data www.tubedata.org	GVT	**2.75**
3RP1	RCA, USA. NOS. With logo. CRT/curved face. Offers considered if you order 30 pieces.	GVT	**POA**
3S4 / DL92	Mullard/ Philips West European NOS. Audio pentode for studio driven computer speakers. Data/photo http://www.r-type.org/exhib/aai0104.htm	OB	**4.00** **50 @ 3.00**
3V / 121E	STC, UK. NOS.	OB/WB	**5 @ POA**
3V4 / DL94	West European includes Mullard, or USA made.	OB/WB	**7.00** **20 @ 6.00**
3WP1	Cathode ray tube (CRT) in stock. UK/USA made NOS. Competitive pricing	OB/WB	**POA**
3X2500A3	Eimac, USA.	WB	**POA**
3X2500F3	Eimac, USA.	WB	**POA**
4-65A	4-65A is a directly heated radial-beam VHF power tetrode with an anode dissipation of 65 watts. The filament is thoriated tungsten and designed for rapid heating.	OB/WB	**35.00** **5 @ 28.00**
4-65A	Or equivalent like QY3-65, 4PR65 Eimac USA, Amperex USA, Mullard UK. Radial beam pulse tetrode. NOS. Tested, with guarantee. Sockets to fit these are in stock. Could be strapped up to use it like a directly heated triode.		
4-125A	Eimac, USA NOS. Tested guaranteed, with logo. This beam tetrode along with 866A or 3B28 rectifier could make a driver amplifier / booster amplifier. Beware of high voltages. Refer to https://peteslab.blogspot.com/ Data: Vf-5.0V, If=6500mA, Va=3000V, Ik=350ma, S=2.5mA/v, Pa=125W. B5F sockets to fit this in stock. Data www.tubedata.itchurch	GVT	**25.00** **10 @ 20.00**
4-125A	We have in stock the following equivalents: 4D21, 6155, CV2130, QB3-300, QY3-125, RS1007 DHT Tetrode Tube 1 piece. Transmitter ham power tube NOS valve. Sets of 2 the same appearance.	OB/WB	**17.00** **15 @ 15.00** **40 @ 13.50**
4-250A	Or QB3.5-750 equivalent or 5D22. European made, eg Mullard, Philips, or USA made, eg GE, Eimac. Glass Audio Magazine 1997, shows class B audio triode operation. Sockets to fit in our stock. Anode dissipation 250 watts. Data on the tubedata.itchurch website.	GVT	**75.00** **6 @ 60.00**
4-400A	Chinese. NOS. Tested with guarantee. (Sockets for this type ref. 5FB in stock). These 4-400A are printed as equivalent “QB4-1100GA”. Huge potential audio type.	GVT	**100.00**

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TYPE	COMMENT	BOX	£ GBP PRICE each
	Data: Vf-5.0V, If=14500mA, Va=4000V, Ik=350ma, S=mA/v, Pa=W. More data http://tubedata.itchurch.org/sheets4.html		
4-400A	Eimac, USA. NOS. Socket to fit in stock, ref 5FB when available.	OB/WB	**275.00**
4-400A USED	Eimac, USA. Used. Socket to fit in stock, ref 5FB. Huge potential audio type. Used, decent appearance, not tested but guaranteed for 3 months. We cannot test these here at our UK warehouse. Data: Vf-5.0V, If=14500mA, Va=4000V, Ik=350ma, S=mA/v, Pa=W. More data http://tubedata.itchurch.org/sheets4.html	WB	**45.00**
4-400B	Philips, France. NOS. (Sockets for this type ref. 5FB in stock.)		**150.00**
4-400C Grade One	Eimac, USA. Grade One. (Sockets for this type, ref.5FB in stock.)		**111.00**
4-1000A USED	**U**SA made. Used. These pass a low power test, but we cannot test at high power. Sent to you, for your testing. Guaranteed 90 days from dispatch date.	WB	**140.00**
4B32	STC / ITT UK. NOS. CV2518.	Most GVT	**18.00** **8 @ 16.00**
4C27	West European or North American manufacture.	GVT	**15.00**
4C35	Russian, China or USA. NOS. 6 months guarantee.	OB/WB	**56.00**
4C35	UK. NOS. EEV Mullard, etc. includes equivalent such as CV1787, FX2505. 6 months guarantee.	OB/WB	**100.00**
4CX	Transmitter types. Details available on request.		
4CX250B	Chinese manufacture. Tested, with guarantee.	WB	**44.00** **25 @ 42.00**
4CX250B	Eimac, USA. NOS. Most of this stock is 15 or 20 years old. Tested and very clean with 12 months guarantee.	OB	**95.00**
4CX250B	GEC, Philips etc. NOS. Small quantity.	OB/WB	**95.00**
4CX250B	STC/ITT, UK. NOS. With logo. Tested with 6 months guarantee.	WB	**51.00**
4CX250B	Consider **7609** or **CCS1** for super low cost alternative, not equivalent. 7609 has 26.5V filament voltage. CCS1 has large copper block instead of radiator fins.		
4CX250B Grade One	Eimac, USA NOS. Tested as Grade One. Used but decent appearance. With guarantee.	G1	**70.00** **5 @ 60.00**
4CX250B Grade One	Used but very clean and test as Grade One ie 80 percent emission or more. 10 Amperex or other USA. 10 STC/ITT UK, 1 GEC, 1 Philips UK. Guarantee.	G1	**55.00** **25 @ 40.00**
4CX250B USED	Chinese manufacture. Used but very clean. Tested with guarantee.		**20.00** **10 @ 18.00**
4CX250B USED	Eimac, USA with logo. Used but clean and tested. Guarantee.	GVT	**45.00** **5 @ 43.00**
4CX250B USED	STC / ITT, UK. Used not new but tested with guarantee. Clean.		**30.00** **16 @ 25.00**
4CX250B / CCS1	GEC/ Eimac. CCS1=Y-799. This is equivalent to 4CX250B but CCS1 has a large copper block instead of radiator fins. CCS1 is an ideal audio power amplifier, high current. It cools via a heat sink which avoids usage of noisy fans. These are unused, tested and guarantee but we don't know if NOS.	WB	**23.00** **10 @ 19.00** **60 @ 15.00**
4CX250BC	Equivalent or near equivalent to 4CX250B. Eimac or other USA. NOS. Clean, tested, guaranteed. Guaranteed 12 months from dispatch.	OB	**85.00**
4CX250BM	Equivalent or near equivalent to 4CX250B. Eimac or other USA. NOS. Clean, tested, guaranteed. Guaranteed 12 months from dispatch.	OB	**85.00**
4CX250F	USA NOS. Clean and guaranteed.	OB	**80.00**
4CX250FG	USA NOS. Clean and tested with guarantee.	OB	**60.00** **10 @ POA**
4CX250FG USED	Eimac, USA made. Used but decent appearance, tested with	OB	**25.00**

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TYPE	COMMENT	BOX	£ GBP PRICE each
	guarantee.		12 @ 20.00 50 @ POA
4CX250R / 7580	Equivalent or near equivalent to 4CX250B. Eimac or other USA. NOS. Clean, tested, guaranteed. Guaranteed 12 months from dispatch.	OB	75.00
4CX300A	Eimac/Raytheon USA. NOS tested guaranteed. Reduced to under half price, due to store soiled appearance (new but not perfect appearance).	OB/GVT	17.00 20 @ 16.00
4CX300A	Eimac/Raytheon USA. NOS tested guaranteed. Clean unused appearance.	OB/GVT	35.00
4CX350A	Chinese. Recent clean new manufacture. Tested, with guarantee. Please enquire about bulk quantities.	OB/WB	95.00
4CX350A	Eimac/CPI, USA. NOS. Tested and clean with guarantee. NOS. Most are from era 1995- 2005 very approximately.	OB/WB	125.00
4CX350A Grade One	Eimac, USA. Most are 1990s made. Look new but test as used so sold as Grade 1.	G1	70.00 5 @ 60.00
4CX350A USED	Eimac, USA. Removed from working equipment. Used but decent appearance. Printed “4CX 350A USA”. Some have writing on the white ceramic. Tested with 6 months guarantee. Most 1990s made.	WB	30.00 10 @ 25.00
4CX1000A	Chinese. Tested at low power, guaranteed 12 months from dispatch date. These are new and unused but store soiled due to storage. Hence bargain price. 2 pieces exist.	WB	150.00
4CX1000A	Eimac, USA. With guarantee. Tested as new.	GVT	400.00
4CX1500B	Eimac. New, unused NOS. Tested, with guarantee.	OB	625.00
4CX1500B USED	Eimac. Used, NOT tested. Guaranteed 90 days from despatch.	OB	150.00
4CX1500B USED	Eimac. Used, tested, guaranteed. Allow 2 weeks for testing on this high power item.	OB	225.00
4CX1500B / 4CX1500BM	Eimac. New, unused but store soiled appearance, hence reduced price. Tested, with guarantee.	OB	320.00
4CX250R	Eimac, USA. NOS. Tested and very clean with guarantee.	OB	70.00 10 @ 65.00
4CX3000A7	Chinese. Tested with guarantee.	OB	475.00
4CX40000GM	Eimac, USA NOS. Tested, with guarantee. Made in 1995. New and unused but minor blemishes, Copper oxide. Price negotiable.	OB	5,000.00
4CX40000GM	Eimac, USA, used for only a few hours only. Some marks on the metal work. But very clean, considering it is a used item. Tested, with guarantee.	WB	700.00
4CX35000C USED	Eimac, USA. Used. Our supplier advice was they were removed from working equipment. Low power test by our agent was successful. Guaranteed 90 days from dispatch. These are used pulls, ex-equipment. Please refer to photo to see condition.	GVT	400.00 2 @ 380.00
4CX5000R	EEV, UK. NOS.	GVT	300.00
4CX10000	Please refer to 4635 low price possible alternative (not equivalent).		
4CX15000A	Please refer to 4635 low price possible alternative (not equivalent).		
4D32	UK and USA made NOS. In sets of 2 pieces identical. EEV, Raytheon, other. Tested, guaranteed. Audio type. Data https://frank.pocnet.net/sheets41.html Discussion of audio potential at www.DIYaudio.com	OB/WB	44.00 12 @ 40.00
4D43	USA. NOS. Tested, With guarantee.	WB	28.00
4E27	Eimac or other USA NOS. 12 months guarantee.	OB	45.00
4E27A USED	Eimac or other USA. Used, 12 months guarantee.	OB	30.00
4H-182E	UK manufacture. STC CV1883. 4H/182E, RF Tetrode NOS. Unused and 30 day guarantee but expensive testing is not included at this price.	GVT	25.00
4PR60C 8252W	Eimac USA NOS. Mostly 1970s manufacture. Guaranteed 6 months from despatch date.	WB/WB	150.00
4PR60C / C1166	EEV, UK. NOS. Superb quality with 12 months guarantee.	OB/GVT	50.00

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TYPE	COMMENT	BOX	£ GBP PRICE each
	Has similarities to 4PR60C, but is not equivalent. Data on request.		**20 @ 45.00**
4PR65A	USA NOS mix brands. NOS tested with guarantee.	WB/OB	**44.00**
4PR400	Eimac logo USA made, NOS. Tested. Guarantee 6 months from despatch date.	OB/WB	**400.00** **2 @ 380.00**
4PR1000A USED	Eimac, USA. Used and guaranteed. These will be tested at the time of despatch. They are ex equipment pulls.		**POA**
4J35	EEV UK, NOS. 90 day guarantee. 10 in a stock.	OB/WB	**100.00**
4X150A	Amperex, USA 30 pieces, Eimac 5 pieces and RCA 5 pieces. NOS. Tested, clean and guaranteed. These will be tested at the time of despatch.	OB/GVT	**25.00** **8 @ 22.00** **40 @ 20.00**
4X150A **Grade One**	USA made, eg Amperex, Eimac & RCA. Tested as Grade One, very clean and guaranteed.	G1	**18.00** **20 @ 14.00**
4X150A	Consider **7609** for super low cost alternative, not equivalent. 7609 has higher [26.5V] filament voltage.		
4X150D	Heinz, USA. NOS. 16 pieces. Clean and guaranteed. These will be tested at the time of despatch. Near offers welcome.	OB	**32.00** **16 @ 20.00**
4X150D / 7609 **Grade One**	Eimac, USA. Clean and guaranteed. These will be tested at the time of despatch. They are ex equipment pulls but many look almost unused. Classified as Grade One. Near offers welcome.	G1	**24.00** **8 @ 20.00** **100 @ 15.00**
4X150G	Eimac, USA. NOS and guaranteed. 5 pieces.	Most OB	**40.00**
4X500A	Eimac, USA.	OB/WB	**240.00**
4XP **Grade One**	Cossor, UK. With logo. Test as Grade One. Guaranteed, ST shoulder shape. 1 piece only.	G1	**180.00**
5A6	USA NOS. This B9A triode could be “strapped up” to make an audio triode, similar to triode type 45, but 5A6 are B9A base. Data: http://www.tubedata.info/ if you have difficulty please contact our office.	Most OB	**7.00** **100 @ 5.50** **1,000 @ 4.50**
5A-152G	These 5A-152G are the same electrically as 5A-152M but 5A-152G is wire ended/flying lead base. 5A-152G is similar to C3G & C3M but C3M is 20v heater. These 5A-152G are STC UK NOS logo. They make a great driver tube for 300B. These 5A-152G are a wire ended version of 5A-152M. The data is the same as 5A-152M data: https://frank.pocnet.net/sheets51.html	GB	**15.00** **4 @ 12.00** **16 @ 11.00**
5A-152G	Similar to C3G. STC UK NOS logo. Driver tube for 300B etc. These 5A-152G are a wire ended version of 5A-152M. Same data as 5A-152M https://tubedata.tubes.se/sheets51.html OR ask our office.	GB	**18.00** **16 @ 15.50**
5A-152M	**Similar to C3G.** STC UK, NOS logo. 400 pieces from our supplier. Driver tube for 300B etc.	GB	**22.00** **400 @ POA**
5A-152M / C3C	These are C3C Siemens logo, Austrian made. NOS. 4 volt audio pentode. C3C is a good driver for 300B etc. 20 pieces all the same appearance. We have sockets in stock (ref SOC7E2D). These C3C are very similar to 5A-152M but 5A-152M is 6v heater, loctal base. C23C are 4 volt heater, 7 pin end style sockets. Data https://frank.pocnet.net/sheetsC.html	OB/WB	**12.00** **30 @ 10.00**
5A-163K	STC logo UK NOS. B9A base, audio pentode. Data/photo http://www.tubecollector.org/cv1635.htm	OB/WB	**13.00** **8 @ 12.00**
5A-175G	**Alias CV4506 / CV4518.** RF pentode wire ended. Data http://www.r-type.org/exhib/aaa1368.htm	GB	**4.00** **600 @ 2.50**
5AR4	Refer to **GZ34.**		
5AS4	Miniwatt West European x 6 / Radio Tron made by RCA or Sylvania in USA or Australia, NOS.	Most OB	**32.00** **10 @ 28.00**
5AU4	Refer to **5V3.** This is partly similar to 5U4GB but not equivalent.	OB/WB	**POA**
5B/110M	Power pentode STC UK. These 5B/110M are telephone repeater output pentodes that can produce a two Watt output into a 5 kΩ load with less than 5 percent total harmonic distortion. The anode has a maximum dissipation of 11 Watts. Potential audio use. NOS Similar characteristics to 5B/255M, C3G and E55L but not equivalent.	OB/WB	**12.00** **4 @ 10.00** **30 @ 9.00**

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TYPE	COMMENT	BOX	£ GBP PRICE each
5B-254M	STC/ITT logo - UK NOS. Audio type. This is like an uprated KT66 or 6L6GC but on a loctal B8G base. Socket to fit from stock. Data http://tubedata.itchurch.org/sheets53.html	OB/GVT	**10.00** **10 @ 9.00** **60 @ 8.30**
5B-254M	STC logo, UK NOS. **Double ring getter, or double square getter**. Refer to other 5B254M paragraph, above, for data etc.	OB/GVT	**18.00** **8 @ 8.00**
5B-254M **Grade One**	STC/ITT logo UK. Grade 1. Test near new, around 80-100 percent emission, probably unused. Clean appearance but someone has polished the base so a small amount of copper is showing underneath the chrome on the base	G1/WB	**7.00** **20 @ POA**
5B-254M **Grade One**	STC/ITT logo UK. Grade 1. Test near new, probably unused. Double square getter. Clean appearance. But someone has polished the top cap, so a small amount of copper is showing underneath the chrome.	G1 box	**18.00** **10 @ POA**
5B-255M	Special quality double ring getter, or double square getter. **Very** rare. STC logo UK made NOS. This is like an uprated **KT66** or **6L6GC** but has a loctal base.	GB	**95.00**
5B-255M	STC or ITT logo, UK. NOS. This is like an uprated **6L6GC** but has a loctal B8G base. Single getter. 50 pieces in stock at the time this catalogue was published. Hurry as these will sell soon!	OB/GB	**20.00** **50 @ 18.00**
5B-255M	STC logo, UK. NOS. Few only as rare item. Double getter.	OB/WB	**28.00**
5B-256M **USED**	**S**TC UK, 19 volt heater version of 5B-255M, when available.	Most GVT	**POA**
5B-258M	STC/ITT logo, UK. NOS. Clean and tested. This is a low cost, high quality uprated 6L6GC but has a different socket. 89L sockets to fit in stock. Data: Vf=19V, If=250ma, Va=300V, Ik=125mA, S=5.6mA/V, Pa=30W.	OB/GVT	**9.00** **12 @ 8.00**
5C8S (5U8C)	NOS clean, guaranteed. Hi voltage, double anode rectifier. Svetlana C logo. It has similarities to 5U4G, but unusual base. 5C8S: Vf=5, Ik=5000mA, Ik=400mA, Va=500. 5U4G: Vf=5, Ik=3000mA, Ik=225mA, Va=450. Data http://www.mif.pg.gda.pl/homepages/frank/sheets/084/5/5C8S.pdf	WB	**5.50** **15 @ 4.20**
5C22	UK / USA. NOS. (NO EEV UK).	OB/WB	**110.00**
5C22	USSR NOS. Some are printed “United PL522”. PL522 is exact equivalent 5C22. 6 month guarantee.	OB	**60.00** **8 @ 50.00**
5C22 **Grade One**	USA made. ITT USA JAN Thyratron electron tube. Tested, excellent. These are slightly used, but very clean condition. Guaranteed. 5C22 JAN military grade. Priced to sell.	G1	**38.00** **10 @ 35.00**
5C22 **USED**	USA made including ITT and Electron Enterprise. Used, not new but tested/guaranteed.	WB	**50.00**
5C22 / CV6022	EEV, UK CV6022. NOS. Equivalent to 8503 and tested with guarantee.	GVT	**400.00**
5C-450A	STC UK NOS, tested/guaranteed. 4 pieces identical appearance. An audio triode, with similarities to 4212E. 5C-450A is a pentode but could be strapped to give 100W single ended, except that Va, Vg2 use maximum 850V. Data is http://frank.yueksel.org/sheets52.html Near offers considered.	GVT	**1,000.00** **2 @ 950.00**
5CP1	CRT cathode ray tube. UK & USA NOS. Suits oscilloscopes.	OB/WB	**75.00**
5J180E	STC/ ITT, UK. NOS. 5 pieces.	GVT	**400.00**
5L5615	Siemens NOS. 14 pin oval medium size orange coloured nixie numerical readout tubes. They show numbers from 0 to 9. Sold out.	OB/WB	**POA**
5MP29	Japanese made. NOS. Probably NEC. 500 pieces the same. Guaranteed.	WB	**6.00** **100 @ 4.50** **500 @ 4.00**
5R4GA	USA. NOS.	OB/WB	**10.00**
5R4GB	USA. NOS.	OB/WB	**11.00**
5R4GY	Brimar/STC, UK made NOS. KB/FE or KB/FB.	GB	**88.00**

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PLEASE ADD 50 PERCENT RETAIL SURCHARGE FOR ORDERS UNDER GBP240.

BILLINGTON EXPORT LTD

TYPE	COMMENT	BOX	£ GBP PRICE each
5R4GY	RCA logo, USA. NOS. Grey anode. Tested/guaranteed.	Most OB	28.00
5R4GY	RCA logo, USA. NOS. Black anode. Tested/guaranteed. A few might be available.	OB/WB	35.00 10 @ 33.00
5R4GY	USA including. Sylvania and Raytheon. Not STC or RCA. NOS.	GVT/WB	30.00
5R4GY Grade One	Brimar/STC, UK made with logo. KB/FE or KB/FB. Test near new. Decent appearance, quite clean but small stains in the glass. Grade One standard.	G1	63.00 4 @ 50.00
5R4GY Grade One	RCA logo, USA. Test new, but some have no spigot. Spigot replaced by a black plastic adapter. Double D getters. Black anode. Some of them have a spigot, but some minor scratches on the base.	G1	20.00
5R4GY Grade One	RCA logo, USA. Tested as Grade 1, guaranteed.	G1	25.00 10 @ 22.00
5R4GY USED	Brimar/ STC, UK made. With logo. KB/FE or KB/FB. Test as used. Decent appearance, small stains in the glass. Guaranteed.	WB	40.00 3 @ 30.00
5R4GY USED	RCA logo used. Tested with guarantee. Used, not new appearance but clean.	WB	17.00
5R4GY USED	Made in Italy by Fivre. Brimar logo, unused but spigot / centre pin is missing and on request we repair with black plastic piece. Sold at used price.	WB	25.00 3 @ 20.00
5R4GYA	Various USA made brands NOS. A few are GE, square getter, long black anode, hanging filament. 5R4GYA can replace 5U4G in many circuits.	GVT/OB	18.00 12 @ 16.00
5R4GYA Grade One	GEC USA. Many are square getter, long black anode, hanging filament. 5R4GYA can replace 5U4G in many circuits.	G1 box	11.00 12 @ 8.50
5R4GYB	USA made NOS. A few are square getter or long black anode, or hanging filament. 5R4GYA can replace 5U4G in many circuits. RCA, GE and Westinghouse.	WB	11.00 5 @ 10.00
5R4GYB Grade One	USA made eg RCA, test as Grade One.	G1	8.00 8 @ 6.00
5R4GYB USED	As above but used. Tested, guaranteed.	WB	5.50 20 @ 4.50
5R4WGA	USA manufacture. NOS. Some with Chatham logo.	GVT	15.00
5R4WGB	Chatham, salmon colour, base with logo. USA made, NOS. Resists high temperatures & high voltage.	WB/red box/GB	15.00 10 @ 12.00 50 @ 10.00
5R4WGB	Chatham, Raytheon & other USA brands with logo. NOS. Resists high temperatures. High voltage. Also 5R4WGA at the same price.	GB	15.00 10 @ 13.00 50 @ 11.00
5R4WGB	USA. NOS. Big base.	OB/WB	15.00
5R4WGB Grade One	USA. Grade One. Big Base.	G1	7.50 6 @ 7.00
5R4WGY	Chatham, salmon colour, base with logo. USA made, NOS. Resists high temperatures & high voltage.	OB/GB	15.00 10 @ 12.00 50 @ 10.00
5R4WGY	USA. NOS.	OB/WB	11.00 6 @ 10.00
5R4WGA/B/Y USED	USA. Used. Tested. Small stain. Big base.	WB	5.00 10 @ POA
5T4	Black metal audio rectifier. RCA logo, USA NOS. Tests as grade 1, not perfect, new Grade One.	WB	10.00
5T4	Black metal audio rectifier. USA NOS. Tested.	OB/WB	17.00 10 @ 15.00
5U4G	Brimar logo Russian made, NOS. Shouldered ST shape.	OB/WB	33.00 8 @ 30.00 16 @ 28.00
5U4G	Brimar UK “hanging filament”.	OB/WB	POA
5U4G	Brimar red logo, West European NOS. Not UK. Not GEC style.	OB	POA

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TYPE	COMMENT	BOX	£ GBP PRICE each
5U4G	BILLINGTON GOLD logo, Russian manufacture, shouldered shape. New, tested/guaranteed.	OB	20.00
5U4G	Chinese. Chinese made. NOS. Shouldered ST shape.	WB	16.00 4 @ 14.00 30 @ 12.00
5U4G	Mullard, UK. NOS. Black anode VU71. Pan getter. Unused but a piece of glass rattling inside. This makes no difference to electrical performance.	WB	220.00
5U4G	Mullard, UK. NOS. Black anode VU71. Pan getter. Unused but spigot is missing. This makes no difference to electrical performance.	WB	250.00
5U4G	Mullard, UK. NOS. Black anode VU71. Perfect NOS when available.	OB	480.00
5U4G	RCA logo USA NOS. A few pieces in stock.	OB/WB	60.00
5U4G	Russian. NOS. Shouldered ST shape.	OB/WB	17.50 Bulk @ POA
5U4G	USA. NOS. Hanging filament, otherwise known as shown chandelier wire. Guide price GBP60 wholesale if available.	OB/WB	POA
5U4G	USA. NOS, with logo. Tested and guarantee. Includes Sylvania, GE & Westinghouse. Excludes Tung-Sol, RCA, Mullard, and GEC.	OB/WB	50.00
5U4G	USA made is rare now. Consider using 5Z3. Adaptors UX4 to octal are sold by our friend Zhang Eb.	Please Enquire	POA
5U4G	U52 UK NOS. GEC / Marconi / Osram. Black anode, round base.	OB	340.00
5U4G	U52 UK NOS. GEC / Marconi / Osram. Grey anode, round base. Just a few pieces. Please enquire for quantity.	GB	300.00
5U4G	These are GZ34SS, similar to 5U4G and GZ34 but are a solid-state rectifier that replaces tubes 5AR4, GZ34, 5Y3 & 5U4G. NOS. Guaranteed. Once existing stock is sold, the price is likely to double as current manufactured items cost more than stock we bought years ago. Believed to be UK made.	WB	8.00 25 @ 6.00
5U4G Grade One	Brimar logo. D getter or double D getter. West European made. Not UK. Tested as Grade One. Guaranteed.	G1	45.00
5U4G Grade One	Tung-Sol, USA made NOS. A few pieces in stock.	G1	160.00
5U4G Grade One	U52 UK. GEC / Marconi / Osram. Grey anode. Round base. Classic U52 shape. Test as Grade One. Not new but clean appearance.	G1	200.00
5U4G Grade One	USA brands including GE, Sylvania, RCA or Westinghouse. Tested as Grade One. With logo.	G1	20.00
5U4G USED	Brimar, UK. With logo. Used, tested, guarantee, clean. U52 shape almost same as GEC U52. Stock sometimes exists.	WB	POA
5U4G USED	Russian made. Shouldered ST shape. Used but clean, guaranteed and working.	WB	15.00 8 @ 13.00
5U4G USED	USA / Canada including Marconi GE Westinghouse and Sylvania but excluding RCA, Tung-Sol, Mullard, and GEC. Not new appearance but tested as used with logo and guarantee.	WB	25.00 Bulk @ POA
5U4GB	NOS. Believed to be maybe UK made. Tungsram logo, printed '5U4G'. Tested and guaranteed. Black anode. Rare item!	OB/WB	30.00
5U4GB	NOS USA, with logo. Tested and guarantee. Includes Sylvania, GE & Westinghouse. Excludes Tung-Sol, RCA & Mullard.	OB/WB	21.00 16 @ 19.00 50 @ 14.00
5U4GB	Japan, with logo, NOS. Tested and guarantee.	OB/WB	17.00
5U4GB	RCA logo. Vintage made USA, NOS.	OB/WB	30.00 16 @ 27.00 50 @ 21.00
5U4GB Grade One	USA/West European Raytheon, Sylvania, Westinghouse and a few Brimar. Test as near new, look decent with good getter splash but have minor scratches on the base. Limited quantity so no bulk offer.	G1	12.00 10 @ 9.00 30 @ 7.00
5U4GB	USA made RCA logo. Test as used, look decent with medium getter	G1	22.00

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TYPE	COMMENT	BOX	£ GBP PRICE each
Grade One	splash but have scratches on the base. Limited quantity so no bulk offer.		16 @ 19.00
5U4GB USED	Westinghouse, Raytheon, Brimar, Sylvania, USA made. With logo. Used, not new with some stains in the glass but decent appearance. Tested, working, guaranteed. Getter is fair appearance. With nominal spigot / centre pin maybe missing.	G1	10.00 8 @ 9.00 30 @ 7.00
5U4GB VERY USED	USA made. Used, working well but some stains in the glass, OR tested, borderline working, OR working well but spigot / centre pin missing / repaired, OR working well, but getter is part brown. 3 or 4 times cheaper than NOS item.	WB	7.00 12 @ 5.50 40 @ 4.00
5U4WGB / 5931	When available, guide price GBP54.00	GVT	POA
5UP1	CRT cathode ray tube. UK & USA NOS. Suits oscilloscopes.	OB/WB	45.00
5UP1	MOV, UK NOS. CRT. If you order this CRT, we will help you with sockets. Data http://tubedata.itchurch.org/sheets52.html	GVT	50.00 3 @ 40.00
5V3 5AU4	USA. NOS. With logo. Westinghouse, RCS and Sylvania etc.	OB/WB	6.50
5V4G	Mullard, UK. NOS. Please refer to GZ32.	WB	POA
5V4G	RCA logo USA. NOS. Tested with guarantee.	Most OB/WB	20.00 4 @ 17.50 20 @ 15.00
5V4G	STC / Brimar, UK. NOS. Nearly all have logo.	GVT	POA
5V4G	USA. NOS. Tested with guarantee.	Mostly OB	24.00 8 @ POA
5V4G Grade One	USA. Shoulder shape. Tested. Grade One. With guarantee.	G1	18.00 8 @ POA
5V4G USED	Brimar UK, Used Tested/guaranteed.	WB	20.00 6 @ 15.00
5V4G USED	West European made. Used and tested. Usually available.	BB	POA
5V4G	Please refer to **25Z6GT** for a fantastic low cost possible alternative, not equivalent.		
5V4GA	GE, RCA & Sylvania, USA. NOS.	OB/WB	24.00 4 @ 20.00 16 @ 18.00
5W4	CEI, USA. NOS. With logo. Similar to U50 but black metal. Bargain price for useful rectifier. Data: Vf=5,0V, If=1500mA, Va=350V, Ik=110mA	OB/WB	3.60 20 @ 2.00
5X4G	RCA / other USA. NOS. Audio rectifier with similarities to 5Z3. Some hanging filaments.	OB/WB	12.00 Bulk POA
5X4G Grade One	USA. Tested. Grade One. With guarantee.	G1	9.00
5Y3G	Chinese. NOS. Tested. Some similarity to GZ34, suitable up to 125mA and 350V. Shoulder shape, black or metal base. These are octal base but only 4 pins are connected. Tested working/guaranteed.	WB	6.00 10 @ 4.80 10 @ 3.80
5Y3G	USA. NOS. With logo, tested, guaranteed. Mixed USA brands including Sylvania, RCA, Raytheon, Westinghouse etc. Also 1 or 2 Mazda or Visseaux France.	OB/WB	22.00 8 @ 20.00
5Y3G USED	Mixed USA brands including Sylvania, RCA, Raytheon, Westinghouse etc. Used, tested guaranteed. Most have logo. Not new but decent appearance.	WB	11.00 12 @ 9.00
5Y3G / U50	Mullard logo. UK, NOS. Tested.	WB	60.00 4 @ POA
5Y3G / U50 Grade One	Mullard logo. UK, Grade 1. Tested.	WB	45.00 4 @ POA
5Y3GB	Mazda, France. NOS. Indirectly heated (like 5Z4G).	GVT	10.00
5Y3GT	Chinese. NOS, some similarity to GZ34, suitable up to 125mA and 350V. Straight GT shape, metal base. GZ34 data: Vf=5.0V, If=1900mA, Va=450V, Ik=250mA	WB	6.00

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TYPE	COMMENT	BOX	£ GBP PRICE each
	5Y3GT data: Vf=5.0V, If=2000mA, Va=350V, Ik=125Ma		
5Y3GT	Haltron foreign NOS. Suitable up to 125Ma and 350V. Straight GT shape, tested with guarantee.	OB/WB	**12.00** **8 @ 10.00** **50 @ 7.50** **100 @ POA**
5Y3GT	Brimar logo UK NOS.	OB/WB	**20.00**
5Y3GT	A few RCA, Sylvania, Westinghouse, Raytheon. NOS. Clean, tested and guaranteed.	OB/WB	**18.00** **10 @ 17.00**
5Y3GT USED	NOS, UK made. 2 Mullard, 1 Brimar. NOS, tested, guaranteed, logo.	OB/WB	**25.00**
5Y3GT USED	Westinghouse, Raytheon, Brimar, Sylvania, USA made. With logo. Used, not new with some stains in the glass but decent appearance. Tested, working, guaranteed. Spigot / centre pin issue, or a "hairline" crack in the base. Many customers have said that this makes no difference to electrical performance. Very cheap.	WB	**6.00** **8 @ 5.00** **20 @ 4.00** **100 @ 3.00**
5Y3GT USED	or Grade 1. UK made. 5 Mullard, 1 Brimar. Used, not new but decent appearance. Tested guaranteed with logo.	WB	**13.00** **5 @ 12.50**
5Y3GT USED	UK made. 8 Brimar. Guaranteed with logo. These test borderline working, below normal pass mark, but still useful for many purposes. Decent appearance, good print, guaranteed.	WB	**9.00** **10 @ 6.00**
5Y3GT USED	Westinghouse, Raytheon, Sylvania and RCA, USA. Good appearance for a used valve, but they test on the border between working and not working. Useful for some purposes.	WB	**7.00** **40 @ 4.00**
5Y3GT	Consider **5Z4GT** as a possible alternative, not equivalent.		
5Y3WGT / 6106 USED	USA made. Used tested. These are 6106 Bendix logo.	WB	**20.00**
5Y3WGTA	USA. NOS. It's difficult to beat the durability of a USA made 5Y3.	GB/WB	**46.00**
5Y3WGTB	Some are 6087. All same price. USA. NOS.	GB/WB	**46.00**
5Y3WGTA/ 5Y3GTA Grade One	USA made with Hytron logo. Not new but tested as Grade One. Clean and guaranteed.	G1	**27.00** **10 @ 24.00**
5Y4G	GE/RCA/Sylvania USA NOS. Very similar to 5U4G.	OB/WB	**20.00** **5 @ 17.50**
5Y4G Grade One	GE/RCA/Sylvania USA. Very similar to 5U4G. Used but clean appearance. Test strong.	G1	**15.00** **10 @ 11.00**
5Y4GA	GE/RCA/Sylvania NOS. Very similar to 5U4G.	OB/WB	**9.00** **8 @ 7.00**
5Y4GT	RCA / MIX USA NOS. Very similar to 5U4G.	OB/WB	**8.00** **12 @ 6.00**
5Z3	Chinese made. New tested, with guarantee.	OB/WB	**10.00** **8 @ 8.00**
5Z3	Fivre made in Italy, Haltron logo + box. NOS. G shape/ Coke bottle shape	OB	**60.00** **8 @ 48.00**
5Z3	USA NOS. These are the rare and desirable version with the hanging filament. When available approx GBP 55.00.	OB/WB	**POA**
5Z3	Sylvania and other USA. NOS. G shape / Coke bottle shape.	OB/WB	**50.00**
5Z3 Grade One	Sylvania and other USA. Test as G1. G shape / Coke bottle shape.	G1	**37.50** **20 @ POA**
5Z3 Grade One	USA. Used but decent appearance, and test as Grade 1. These are the rare and desirable version with the hanging filament.	G1	**40.00**
5Z3 USED	RCA, Sylvania and Westinghouse, USA and Marconi, West Europe. Most have logo. Used, tested, with guarantee. Plugs in to replace 5U4G if base adaptor is fitted.	WB	**25.00** **10 @ POA**
5Z4 USED	USA. Ken Rad, RCA, STC, Sylvania. Black metal	OB/WB	**6.00** **30 @ 4.80**
5Z4G	Brimar/STC UK. NOS. With logo. Partly similar to GZ34, but not fully equivalent.	Most GB	**42.00**
5Z4G	Mazda logo. NOS. Some similarity to GZ34, suitable up to 125mA	GVT	**7.00**

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TYPE	COMMENT	BOX	£ GBP PRICE each
	and 350V. Shoulder shape, black Bakelite base. Deduct 25p if you accept with no box, ie bulk pack. Tested guarantee. Look clean & new with unknown country of manufacture**. Not made in West Europe.** Data: GZ34 - Vf=5.0V, If=1900mA, Va=450V, Ik=250mA 5Z4G - Vf=5.0V, If=2000mA, Va=350V, Ik=125mA.		
5Z4G	Mazda, UK. NOS. With logo. Limited stock.	WB	**28.00**
5Z4G	Tungsram logo, made in UK by Mullard or Mullard logo UK, NOS.	OB	**34.00** **5 @ 33.00**
5Z4G **Grade One**	Brimar/STC UK manufacture, with logo. Tested as Grade one. Decent appearance, not new appearance. Enquire for extra quantity.	G1	**24.00** **8 @ 18.00**
5Z4G USED	Mullard logo UK. Used, tested.	WB	**18.00**
5Z4G USED	Brimar logo, UK manufacture. Used, tested, guaranteed.	WB	**14.00** **Bulk @ POA**
5Z4GT	Chinese. NOS. Some similarity to GZ34, suitable up to 125mA and 350V. Straight GT shape, metal base. GZ34 data: Vf=5.0V, If=1900mA, Va=450V, Ik=250mA 5Z4GT data: Vf=5.0V, If=2000mA, Va=350V, Ik=125mA.	WB	**5.50** **20 @ POA**
5Z4GT	Russian. NOS. Near equivalent to GZ34, suitable up to 125mA and 350V. Mostly GT shape, a few are ST shape.	OB/WB	**6.50** **10 @ 5.50** **100 @ 4.50**
5Z4GT	Mullard UK NOS. Refer to GZ30 for price & availability.	OB/WB	**In stock**
5Z4GT	USA NOS.	OB/WB	**11.00**
6-1H	UK/USA NOS. Good quantities in stock. Please enquire.	Most OB	**POA**
6A3	USA NOS. Guide price GBP35.	OB/WB	**25.00**
6A4	USA. NOS.	OB/WB	**6.00**
6A6	UK/USA NOS. Good quantities in stock. Please enquire.	Most OB	**5.00**
6A7	USA made NOS. ST shape glass.	OB/WB	**10.00**
6A7 USED	USA made. Used tested. ST shape glass.	WB	**5.00**
6A8 / 6A8G	USA NOS. 6A8 black metal, 6A8G ST shape, 6A8GT, all same price.	OB/WB	**7.50**
6AB4	Please refer to **EC92.**		
6AB4	GE, USA. NOS. With logo. Clean and guaranteed. This single triode B7G base is similar to half of an ECC81, 12AT7 B9A base. Suitable for microphones such as Neumann Gefell UM57. Data http://scottbecker.net/tube/sheet/127/6/6AB4.pdf	GVT	**4.00**
6AB4	RCA, USA. NOS.	OB/WB	**7.00**
6AB4 USED	GE, USA. With logo. Clean and guaranteed. This single triode B7G base is similar to half of an ECC81, 12AT7 B9A base. Suitable for microphones such as Neumann Gefell UM57. Data http://scottbecker.net/tube/sheet/127/6/6AB4.pdf	Bulk pack	**2.00** **100 @ 1.50**
6AB7	RCA, USA. NOS with logo. Black metal audio valve. Clean and guaranteed. Data: Vf=6.3V, If=450mA, Va=300V, Ik=12mA, S=5, Pa=3,7	OB/WB	**28.00** **80 @ 2.00**
6AC5G	Hytron, RCA & Sylvania high-mu power triode designed for service in dynamic coupled circuits using a type 76, 6P5GT or 6J5GT as the driver tube. Two 6AC5Gs may be used as a zero bias class B amplifier.	OB/WB	**27.00** **4 @ POA**
6AC5GT	Hytron, RCA & Sylvania high-mu power triode designed for dynamic coupled circuits using a type 76, 6P5GT or 6J5GT as the driver tube 2 x 6AC5GT could make a zero bias class B amplifier. Data/photo http://tubedata.itchurch.org/sheets62.html	OB/WB	**12.00** **20 @ 8.00**
6AC7	50 RCA, 50 GE, 50 other USA brands. NOS, black metal. Audio valve.	OB/WB	**5.00** **50 @ 3.50** **150 @ 2.30**
6AC7GT	Chinese, new, and tested. Audio valve. Clean and guaranteed. Data http://frank.pocnet.net	GVT	**4.00** **50 @ 3.00**

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TYPE	COMMENT	BOX	£ GBP PRICE each
6AF3	GE, RCA or other. USA NOS. TV tube that also suits audio applications.	OB/WB	**4.00** **20 @ 2.50** **300 @ POA**
6AF4A / EC88	NOS West European made. RCA, Westinghouse USA made or Brimar UK. NOS. These are 6AF4A single triode, they are very similar to half of an ECC88 audio double triode. Photo/data: http://www.r-type.org/exhib/acl0233.htm	OB	**4.00** **20 @ 3.50** **50 @ 3.00**
6AF6G	RCA logo USA NOS. Magic Eye. Data: http://www.tubedata.info/ if you have difficulty please contact our office.	Most OB	**9.25** **18 @ 8.25**
6AG5 / EF96	Russian or Chinese made. NOS.	WB	**3.00** **200 @ 2.00**
6AG5 / EF96	Mix USA. NOS.	Most OB	**3.00** **200 @ 2.00**
6AG6	UK NOS. Many similarities to audio pentode such as to EL33, KT61.	OB/WB	**45.00** **4 @ 40.00**
6AG7	RCA/other USA brands, black metal.	GVT	**10 @ 3.50** **100 @ 3.00**
6AG7	Russian. New, clean and guaranteed. Deduct 25p if you accept without box ie if you accept in egg crate bulk pack.	BP	**3.00** **100 @ 2.00**
6AH4GT	USA. NOS. 30 RCA, 30 Sylvania & Tung-Sol.	Most OB	**15.00** **10 @ 11.00** **60 @ 10.00**
6AH4GT USED	USA. Sylvania. Used tested.	OB/WB	**8.00** **8 @ 7.00**
6AH6	50 Sylvania, 16 Thomson, 10 RCA, 10 Tung-Sol, 10 Westinghouse. USA made NOS. Most have logo. They would suit an SE amp using a 6AH6 pentode in triode mode at the input, and a 1625 output tube. Visit www.diyaudio.com/forums/tubesvalves/93560-shrine-se-amp-using-6ah6-1625-a.html	Most OB	**5.00** **5 @ 3.40** **20 @ 2.00** **75 @ 1.80**
6AH6 / WA	Raytheon, Westinghouse & other USA brands. Probably unused. Print quality varies & mixed appearance. Due to mixed appearance these are very cheap and have a minimum order of 20 pieces.	OB/WB/BP	**20 @ 2.00** **120 @ 1.50**
6AJ8	Equivalent to **ECH81.**		
6AK5	Chinese made. NOS. Good audio quality tested. With guarantee. Deduct 25p if accepted with egg crate/bulk pack instead of WB. A UK amplifier maker told us “these are as good as Mullard, for emission, low noise, frequency response”.	WB	**3.00** **10 @ 1.50** **3,000 @ 1.20**
6AK5 / 403B / 5591	Western Electric, USA NOS and test NLOZS, with yellow original logo. These are printed 6AK5 or 403B (403B is exact equivalent to EF95).	WB	**15.00** **8 @ 12.00**
6AK5 / EF95	Russian EF95 printed CV850. All the same construction. NOS with guarantee.	WB	**5.00** **8 @ 4.50** **100 @ 4.00**
6AK5 / EF95 / CV4010 / 5654	Please refer to EF95 Mullard/RT.		
6AK5 / W	Please refer to EF95.		
6AK6	Audio pentode. Brimar logo UK NOS. Clean and guaranteed. Data: Vf=6.3V, If=150mA, Va=180V, Ik=15mA, S=2.3mA/V, Pa=2.7W. B7G Audio pentode can be triode connected. Data at tubedata.itchurch website. Search engines have items showing 6AK6 in audio circuit.	GVT	**6.00** **20 @ 5.00** **300 @ 3.50**
6AK6	GE, USA. NOS. With logo. Clean and guaranteed. Please refer to 6AK6 Brimar section, above, for data and useful information.	GVT	**5.00** **30 @ 3.00** **200 @ 2.50**
6AL5	Mullard, please refer to CV4025 Mullard, equivalent.	GB	**2.50**

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PLEASE ADD 50 PERCENT RETAIL SURCHARGE FOR ORDERS UNDER GBP240.

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TYPE	COMMENT	BOX	£ GBP PRICE each
			20 @ 2.40 100 @ 2.00
6AL5	Siemens refer to EB91 paragraph. Photo/data http://www.r-type.org/exhib/aad0099.htm	GB	4.00 100 @ 3.00
6AL5 / EB91	Brimar, Please refer to EB91 paragraph. Photo/data http://www.r-type.org/exhib/aad0099.htm	OB	2.00 16 @ POA 100 @ POA
6AL6	Foreign manufacture. Octal base. Similarities to 6L6, although it has a different pinout. When available. Data from GE essential characteristics manual, OR free from our office.	GVT/WB	POA
6AL7GT	USA NOS. Magic Eye. Data: http://www.tubedata.info/ if you have difficulty please contact our office. When available.	Most OB	POA
6AM4	USA and UK. NOS.	OB/WB	3.30
6AM5	Please refer to **EL91.**		
6AM6	Please refer to **EF91**, **CV4014.**		
6AM6 / CV4014	Mullard UK. CV4014. NOS. Audio type. Genuine Mullard, but GVT print instead of a Mullard, logo.	GVT	4.00 20 @ 3.75 100 @ 3.50 1,000 @ 3.20
6AM6 / CV4014	Mullard, UK CV4014. NOS. Audio type. Mullard logo. B7G base. Some are government box, and some are bulk pack. Bulk pack items are 25p less than the following price. Data: Vf=6.3V, If=300Ma, Va=250V, Ik=20Ma, S=7.7Ma/v More data in the EF91 Thomson section, above.	GVT	3.50 2 @ 3.33 100 @ 3.00 1,000 @ 2.75
6AM8A	GE, USA. NOS. Might be audio potential. Data Vf=6.3V, If=450mA, Va=200V, Ik=12mA, S=7mA/V, Pa=2.8W. Data www.tubedata.org	GB	3.00 10 @ 2.00 50 @ 1.80 400 @ 1.60
6AM8 / A	Haltron and other USA brands.	OB	4.40
6AN4	Potential audio type. RCA logo USA, NOS.	OB	2.40 30 @ 2.00
6AN5	GE or Raytheon, USA. NOS with logo. A beam power amplifier. 4.2 watt anode dissipation. Makes a good headphone amp, low power amp or reverb tank driver. Data: http://www.tubedata.info/ if you have difficulty please contact our office.	OB/WB	2.50 50 @ 2.00
6AN8	RCA logo or Raytheon logo, USA NOS. Please note these are not 6AN8A. Very limited quantity.	Mostly OB	10.00
6AN8 / 5AN8	Sylvania, GE or Westinghouse, USA NOS. Similar but not equivalent to 6AN8 . Audio Tube.	WB	4.00 20 @ 2.50 116 @ 2.10
6AN8A	USA NOS. Actual 6AN8A with acid etch. 16 RCA, 6 Sylvania & 6 Westinghouse	Mostly OB	15.00 10 @ 12.00
6AN8A USED	Tested, guaranteed. Please note these are **6AN8**, not 6AN8A.	WB	9.00 12 @ 7.00
6AN8A USED	Tested, guaranteed. Actual **6AN8A.** 4 of each brand: GE, RCA, Sylvania & Westinghouse.	WB	10.50 12 @ 7.50
6AQ4	Please refer to **EC91** for exact equivalent. Possible audio triode.		
6AQ5	Chinese. NOS. Tested, clean, guaranteed. For data circuit ideas etc refer to 6 AQ 5 USA paragraph below.	GVT	3.00 50 @ 2.50
6AQ5	Brimar UK made. Black glass. NOS.	OB	8.50 10 @ 8.00
6AQ5	Mullard UK made. Logo. NOS	GB	13.00
6AQ5	Equivalent to **EL90.**		
6AQ5	Refer to **19AQ5,** very low cost alternative with different heater voltage.		
6AQ5 / 6005W	These are 6AQ5 USA made, NOS. Mixed USA. RCA, Sylvania, GE, and other USA brands. Tested, guaranteed. Some print is partly	WB	5.00 10 @ 4.00

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TYPE	COMMENT	BOX	£ GBP PRICE each
	missing due to long term storage. Similar, but not equivalent to 6005. Deduct 25p if you accept boxed as egg crate, not WB.		**50 @ 3.00**
6AQ5 USED	Mullard UK made. Logo. Tested good appearance. Used.	GB	**7.50**
6AQ5 / EL90	Please refer to 6094 for super high quality possible alternative, not equivalent with gold pins.		
6AQ5W	USA manufacture. We have brands other than GE, please enquire.		**4.00**
6AQ6	NOS made in USA / West Europe. These are 6AQ6 triode/diode. The triode section is similar to half of an ECC81. 6AQ6 has same pin out as 6AQ6. Data: www.r-type.org/exhib/acn0102.htm	OB	**3.00** **10 @ 2.00**
6AQ7GT	RCA, Hytron, Sylvania, Kenrad, GE and Westinghouse. NOS. With logo.	Mostly OB	**3.60** **50 @ POA**
6AQ8	Equivalent to **ECC85**.		
6AR5	Raytheon logo, NOS. Clean uniform and guaranteed. This audio pentode would make a nice little power amplifier. Data: Vf=6.3V, If=400mA, Va=250V, Ik=32ma, S=2.3mA/V, Pa=8.5W. Data http://tubedata.itchurch.org/sheets61.html	OB/WB	**7.50** **10 @ 7.00** **30 @ 5.10**
6AR6	Tung-Sol, USA. NOS. With logo. Similar to 6384, but not the same. Data for both types http://tubedata.itchurch.org/sheets62.html	GB	**19.00** **8 @ 17.50**
6AS6 / 409A	Western-electric yellow logo -NOS-1960s USA made. Match pairs maybe possible.	Most OB	**14.00** **5 @ 13.00** **30 @ 12.00**
6AS6 / 5725	See 5725 entry for NOS equivalent items at super low price.		
6AS6	Mullard UK, NOS. CV4098/M8234 pentode. Equivalent to 6AS6 but these are wire ended, flying lead CV4098. Clean, uniform guaranteed. Data www.tubedata.org Photo http://www.tubecollector.org/cv4098.htm	GVT	**3.00** **10 @ 2.70** **350 @ 2.00**
6AS6	Tung-Sol, GE & other good USA made brands. NOS. Some are double marked 5725/W equivalent.	OB/WB	**2.00**
6AS6W	Haltron logo. Some are East European made, some USA, some Western Europe, they are all mixed up hence amazing low price. All are new & guaranteed, but regretfully at this price we cannot sort them.	WB	**2.00** **20 @ 1.20** **200 @ 1.00**
6AS7G	**BILLINGTON GOLD**, Russian. NOS. High audio quality and product reliability. They are individually tested within very tight limits and inspected for superior physical conformity and mechanical construction. With guarantee. They have a good reputation worldwide especially amongst Asian audiophiles. Supplied in an attractive blue/red/gold original box.	OB	**20.00** **10 @ 18.00**
6AS7G	Chatham USA NOS. Tested and guaranteed. 2 pieces.	OB/WB	**100.00**
6AS7G	GE USA. NOS. 8 pieces should be in stock.	OB/WB	**28.00**
6AS7G	GEC, MOV UK. NOS. Sometimes available.	OB/WB	**280.00**
6AS7G	RCA logo, USA. NOS. Shoulder shape. These have a great dynamic response and a hint of warmth, with excellent deep tonal character.	OB/GB	**32.00** **8 @ 28.00** **24 @ 24.00**
6AS7G	Sovtek logo, Russian manufacture. NOS. Clean, guaranteed. The internet has many circuit diagrams showing 6AS7G or equivalent 6080 in audio circuits.	OB	**17.00** **20 @ 15.00**
6AS7G	Some Svetlana C logo, some Sovtek, some Cyrillic Russian print, some Brimar, but all Russian manufacture. Sets of 8 pieces of the same brand & same appearance.	OB/WB	**19.00** **100 @ 16.00** **30 @ 15.00**
6AS7G	Svetlana, Russian manufacture. C logo version. They look new but test approx 65-75 percent emission so are sold at used price. Clean, guaranteed.	WB	**8.00** **10 @ 7.00**
6AS7G	USA. NOS. Shoulder shape. Sets of 2 identical. Not RCA.	OB/WB	**28.00**
6AS7G **Grade One**	GEC, MOV UK. Tested Grade One. 1 or 2 pieces only.	G1 box	**210.00**

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TYPE	COMMENT	BOX	£ GBP PRICE each
6AS7G **Grade One**	Marconi logo, made in Canada or USA. Grade One. Might be RCA made. Tested near new, getter is OK but not perfect.	G1	**22.00**
6AS7G **Grade One**	RCA logo. USA. Grade One. Clean, tested balance between anodes may not be perfect, but auto bias takes care of this in most amplifiers. These have a great dynamic response and a hint of warmth, with excellent deep tonal character. About half of them are RCA red logo. Grey anode. Probably 1960s. The other half are RCA silver logo. Black anode. Probably 1950s. Same price for both.	G1	**22.00** **8 @ 19.00** **24 @ 16.00**
6AS7G USED	GEC, MOV UK. Used, tested. 1 or 2 pieces only.	OB/WB	**140.00**
6AS7G USED	RCA logo, USA. Used not new appearance but tested 65 - 75 percent. Decent appearance, guarantee.	WB	**15.00**
6AS7G	**Please refer to 6080,** a straight sided equivalent to 6AS7G. For more information please refer to 6080 in this catalogue. Same electrically, but much cheaper. 6080 quality is same or better than 6AS7G. Good quantity of USA or French made in stock.		
6AS7GA	GE USA. NOS. Copper coloured posts. Black base. Straight sides.	OB/WB	**15.00** **8 @ 12.00**
6AS7GA	Mixed NOS. Not copper colour post.	OB/WB	**12.50** **8 @ 9.50**
6AS7GA USED	GE, USA with copper coloured posts. **Black base**. Straight sides. Used not new appearance but tested 65-75 percent guaranteed.	WB	**5.00** **8 @ 4.50**
6AT6	NOS made in USA / West Europe. These are 6AT6 triode/diode. The triode section is similar to half of an ECC81.	OB	**3.00** **10 @ 2.50**
6AT6	Made by Hytron USA. NOS. Most have logo. Guaranteed. These are 6AT6 triode/diode. The triode section is similar to half of an ECC81. 50 pieces all the same. Data www.r-type.org/exhib/aaa0358.htm scroll down to PDF.	GB	**3.00** **50 @ 2.55**
6AT6	Mullard NOS made in Holland, Europe. These are 6AT6 triode/diode. The triode section is similar to half of an ECC81. Guaranteed, 40 pieces all the same. Data www.r-type.org/exhib/aaa0358.htm scroll down to PDF.	OB	**4.00** **24 @ 3.00**
6AU4GT / **6AU4GTA**	NOS. Mostly RCA plus a few other USA NOS. Partly similar to 6AX4, 6AU4, 6CJ3 or 6CG3. An octal rectifier first designed for radio but now being used in hi fi / audio.	OB/WB	**30 @ 6.50**
6AU5GT	Audio tube. GE, USA. NOS. This pentode can be “strapped up” to produce a triode, that’s similar to 6B4G triode. Data on request. It will produce 5W in SE Class A. Recommended by Eric Barbour in issue 10 of VTV magazine. Data: http://www.tubedata.info/ if you have difficulty please contact our office.	GVT	**5.00** **20 @ 3.75** **100 @ 3.20**
6AU6	Brimar logo, UK. NOS. Guaranteed. UK made.	OB	**7.00** **10 @ 6.00** **30 @ 5.50**
6AU6	GE 5 star logo. USA made, NOS tested, clean, guaranteed.	OB	**6.50** **10 @ 5.50**
6AU6	Mullard, UK, NOS. Most with logo.	Most OB	**12.00** **8 @ 10.00**
6AU6	Russian made. NOS. Guaranteed. These have logo (eg National) and box.	OB/WB	**6.00** **10 @ 5.00** **100 @ 3.75**
6AU6	Russian made. NOS. Guaranteed. All the same appearance (same anode construction). Some are printed with just the part number, some have no print at all, some have mixed print. These are supplied bulk pack not white box. These are good, working, unused, guaranteed tubes. At a bargain price.	WB	**5.00** **10 @ 4.00** **100 @ 2.75**
6AU6	Telefunken NOS with logo and diamond between the pins. Audio pentode.	Most OB	**34.00** **8 @ 30.00**

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TYPE	COMMENT	BOX	£ GBP PRICE each
6AU6	Various: 70 GE, 25 RCA, 25 Sylvania, 5 Tung-Sol USA. USA made, NOS tested, clean, guaranteed.	OB/WB	**6.00** **10 @ 5.00** **20 @ 4.00** **100 @ 3.75**
6AU6WB	These are 6AU6WB, special quality equivalent to 6AU6. Thomson logo NOS France. For useful information, data, photos, please refer to the other 6AU6 paragraphs, above.	OB	**3.00**
6AU8A	NOS. GE, Sylvania, Tung-Sol, USA. Most have logo. You can buy on the internet, adapters to convert 6AU8A into 7199. Photo www.tave.co.uk / data http://electronbin.com/sheets62.html	GVT	**3.00** **10 @ 2.20** **400 @ 1.80**
6AU8A / 7199	These are 6GH8A / 6AU8A NOS. GE, Sylvania, Tung-Sol, USA. Most have logo. You can buy on the Internet, adapters to convert 6GH8A into 7199. Tube data etc www.tubedata.itchurch or contact us.	GVT	**3.00** **10 @ 2.80** **400 @ 2.20**
6AV6 / EBC91	Mix. USA NOS.	OB/WB	**4.00** **100 @ 3.00**
6AV6 / EBC91	West European / Japanese manufacture. Russian / China.	WB	**3.00**
6AW8A	Hitachi x 60 pieces, Mullard, x 10 pieces, RCA x 10 pieces and Sylvania/Westinghouse x 50 pieces.	OB/WB	**3.00** **10 @ 2.80** **100 @ 2.20**
6AX5GT	USA NOS. Similar to EZ81 but has an octal base.	OB/WB	**7.00**
6AX5GT	Russian. NOS, clean, uniform guaranteed. GT shape. Octal full wave rectifier [double diode]. Similar to EZ81 and 6X4 but different base.	WB	**2.60** **30 @ 1.56** **100 @ 1.40** **400 @ 1.20**
6AX4GTB	USA NOS. Octal audio tube. RCA, GE, Raytheon.	Most OB	**4.50** **20 @ 4.00** **300 @ 3.20**
6AX7	Tung-Sol and other vintage USA, NOS.	OB/WB	**26.70**
6AZ8	RCA/Sylvania USA. Clean, tested/guaranteed. Possible audio type. Data: Vf=6.3V, If=450mA, Va=200V, Ik=10mA, S=6mA/V, Pa=2W.	OB/GVT	**7.00** **10 @ 6.30** **200 @ 5.00**
6BA6 / 5749	EF93 x150 Russian NOS guaranteed.	WB/OB	**2.50** **150 @ 2.00**
6BA6 / 5749W / EF93	RCA logo USA NOS.	Most OB	**5.00** **50 @ 4.00**
6BA6 / 6BA6W / EF93 / CV4009	Brimar UK. NOS. Most have logo.	OB/WB	**7.00** **20 @ 6.00**
6BA6 / 6BA6W / EF93 / CV4009	Mullard logo UK. NOS.	OB/WB	**7.00** **50 @ 6.00**
6B4G	Russian. NOS tested guaranteed.	OB/WB	**28.00** **4 @ 26.00**
6B4G	Sylvania, JAN logo. USA made NOS. Tested, guaranteed. ST shape, alias “Coke bottle shape”. 8 pieces all look the same.	GB	**50.00** **4 @ 47.50**
6B4G	USA NOS, tested. Sets of 2 pieces identical appearance. Matched pairs maybe available.	OB/WB	**50.00**
6B4G	USA NOS, tested with logo. Singles, NOT sets of 2 pieces identical appearance.	OB/WB	**40.00**
6B4G / 6AU5GT	Please refer to 6AU5GT alternative (not equivalent) elsewhere in this catalogue.		
6B4G / 6AV5GA	These are 6AV5GA USA NOS. 3 or 4 USA brands RCA Raytheon, Sylvania etc. Sets of 8 pieces same brand same appearance. Vacuum Tube Valley magazine, issue 10, discusses 6AV5GA in audio application. 6AV5GA has many similarities to 6B4G. Data: http://www.tubedata.info/ if you have difficulty please contact our office.	Most OB	**6.60** **70 @ 5.40**
6B4G USED	USA made. Used, tested guaranteed. Shoulder ST shape.	WB	**18.00**

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TYPE	COMMENT	BOX	£ GBP PRICE each
	Sets of 2 pieces identical appearance.		**4 @ 15.00**
6B5	Tung-Sol, Brimar, Sylvania, etc. Audio double triode.	OB/WB	**15.00**
6B7	UK/USA NOS. Good quantities in stock. Please enquire.	Most OB	**4.00** **Bulk @ POA**
6B8G	GE, RCA and other USA NOS. Perhaps 4 or 5 brands. Rogers, USA.	OB	**4.50** **50 @ 3.00** **150 @ 2.00**
6B10	USA NOS 12 pin compactron. Teonex logo USA made.	OB	**2.00** **50 @ 1.60**
6BC8	USA / Japan NOS. Refer to 6BK7B near equivalent.	OB/WB	**12.00**
6BE6	Brimar logo UK NOS. Guaranteed. Also see equivalents such as 5750 CV4012.	OB/WB	**4.80** **10 @ 3.80** **50 @ 3.60**
6BE6 / 6H1	These are 6H1 STC logo, UK made. NOS CV132 / 6H1 RF hexode mixer. It is designed to operate with a separate triode oscillator that injects into grid 3. The maximum design frequency is 20 MHz. Very similar to 6BE6, but heater takes only 200 mA. Suitable for mixer or frequency changer. More data http://tubedata.itchurch.org/sheets66.html Please do not confuse with Eastern made tubes of similar name.	OB/GB	**2.00** **10 @ 1.50** **1,000 @ 1.00**
6BE6 / 5750	Chinese. New. Guaranteed.	OB/WB	**3.50** **200 @ 2.50**
6BE6 / 5750	Russian NOS. Guaranteed. Most are in Zaerix boxes.	OB	**4.00** **50 @ 3.00** **200 @ 2.60**
6BE6 / 7750	USA NOS	OB/WB	**11.00** **32 @ 10.00**
6BF5	Sylvania logo, USA, NOS. Potential audio type. Data http://tubedata.itchurch.org/sheets62.html	OB	**2.50** **6 @ 2.00** **300 @ 1.50**
6BG6	Brimar UK 6BG6G. NOS.	GVT/WB	**10.00** **40 @ 9.00**
6BG6GA	USA NOS. Sylvania / other USA made.	WB	**9.00** **20 @ 8.50**
6BH6	East Europe / Japan. No picking of brands allowed. All genuine and guaranteed	OB/WB	**3.00**
6BH6	West European / USA – GE, Mullard and Phillips. Please refer also to near equivalent 6CB6 for extra stock. These are 6BH6. **Fits Marantz 8B and other Audio amplifiers.**	OB/WB	**4.00** **20 @ 3.20** **300 @ 2.80**
6BH8	USA NOS with logo. Approximately 100 of each brand Zenith, GE, Sylvania and ECG. These are 6GH8A triode pentodes. They can work as a substitute for the rare 7199 by adding an adaptor that is sold in USA. Data for both: http://scottbecker.net/tube/index.html	OB	**3.00** **10 @ 2.20** **400 @ 1.80**
6BH8	**Please see 6AU8A equivalent.** 6AU8A NOS. Tung-Sol USA in stock. We can direct you to internet suppliers who sell adapters to convert 6AU8 into 7199. Contact us for information.		
6BJ6	Mullard, logo, UK. NOS. 25 pieces. Brimar logo, UK. NOS. 25 pieces.	Most OB	**4.00** **50 @ 3.00**
6BJ6	RCA logo USA. NOS with guarantee. Possible audio type. Data http://tubedata.itchurch.org/sheets62.html	Most OB	**3.50** **90 @ 3.00**
6BJ7	USA NOS. Guaranteed. GE & other USA brands.	OB/WB	**2.20** **20 @ 2.00**
6BJ8	RCA Sylvania, USA.	OB	**3.00** **50 @ 2.20**
6BK4	USA. NOS.	OB/WB	**9.00** **20 @ 7.50**

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TYPE	COMMENT	BOX	£ GBP PRICE each
6BK4A	USA. NOS.	OB/WB	**9.00**
6BK4B	USA. NOS.	OB/WB	**9.00** **20 @ 7.50**
6BK4C	6BK4C mixed USA NOS, with logo, guaranteed.	Most OB	**21.50** **20 @ 20.00**
6BK4A / B / C	Very rare. Try **PD510** for cheaper alternative, not equivalent.		
6BK7B / 6BC8	Various: 30 RCA, 16 GE & 24 Sylvania. For nearly all purposes you can plug in 6BK7B to replace 6BC8. USA NOS. 6BK7B is a double triode, partly similar to ECC81. Data http://tubedata.itchurch.org/sheets62.htm	OB/WB	**4.00** **16 @ 3.50** **60 @ 3.25**
6BL6	USA or UK manufacture. NOS. A klystron.	GVT	**110.00**
6BL7GT / 6BL7GTA	Various USA NOS. Logo. Guarantee. Approx 15 pieces of each brand: GE, RCA, Sylvania & Westinghouse. Sets of 2 pieces, same brand & same appearance.	Most OB	**8.00** **10 @ 6.00** **60 @ 5.00**
6BL7GT / 6BL7GTA USED	Various audio double triode. USA used, tested. Most have logo. Guaranteed. RCA, Sylvania, Westinghouse etc. Most are sets of 2 of identical appearance, but at this price it is for you to sort them out.	WB	**4.00**
6BL8	Please refer to **ECF80.**		
6BM6	A Klystron. USA or UK manufacture NOS.	GVT	**16.00** **10 @ 12.50**
6BM8	Please refer to **ECL82.**		
6BN6	Audio pentode. GE, USA NOS. You will receive 6KS6. Although the data sheet describes 6KS6 as a discriminator, 6KS6 will plug in to successfully replace 6BN6, 100 percent. Deduct 25p if you accept in bulk pack. Near offers considered if over 100 pieces. Data Vf=6.3V, If=300mA, Va=330V, Ik=5mA, B7G. Data http://tubedata.itchurch.org/sheets67.html	OB/WB	**3.20** **10 @ 1.40** **500 @ 1.00**
6BN8	Audio double triode**.** NOS USA made. 10 x same brand/appearance A, 10 x same brand/appearance B, etc. Data http://tubedata.itchurch.org/sheets63.html	Most OB	**5.00** **5 @ 3.20** **100 @ 3.00**
6BQ5	Please refer to **EL84**. Also **12BY7A** for alternative, not equivalent item with different pin out but some similarities.		
6BQ5	Please refer to **12BY7A** for a USA made NOS low cost alternative, not equivalent.		
6BQ6	6BQ6GTB Sylvania or Westinghouse, USA made NOS. Also 6CU6 Ates, 24 Italian made NOS. Equivalent at same price 6BQ6 is nearly the same as 6V6GT but has a different pin out and top cap. Data: Vf=6.3V, If=1200mA, Va=250V, Ik=55mA, S=5.5mA/V, Pa=11W.	Most OB	**3.00** **10 @ 2.50** **50 @ 2.00**
6BQ7A	Or 6BZ7 or 6BK7B equivalent. NOS. 25 or 50 of each brand RCA, GE, Westinghouse, Raytheon & Sylvania. Audio double triode, similar to 6N1P & ECC88. Deduct 25p if you accept as bulk pack or egg crate, not white box.	OB/WB	**3.25** **15 @ 2.50** **200 @ 2.10**
6BQ7A	NOS. Good quality, vintage Japanese made. 400 pieces all the same appearance. NOS & clean. Audio double triode, similar to ECC88, 6922 etc. Deduct 25p if you accept as bulk pack or egg crate, not white box.	WB	**2.75** **10 @ 2.10** **400 @ 1.90**
6BQ7A / 6BS8	These are 6BS8 RCA USA, NOS. 6BQ7A is equivalent or near to 6BQ7A. 100 pieces RCA, all the same appearance. Audio double triode, similar to 6N1P & ECC88. Deduct 25p if you accept as bulk pack or egg crate, not white box.	OB/WB	**3.25** **15 @ 2.50** **100 @ 2.30**
6BR3 / 6RK19	USA made.	BP	**100 @ POA**
6BR7	CV4006 Brimar, UK with white T logo NOS, clean, uniform and guaranteed. The 6BR7 are the same as EF86 but 6BR7 has lower microphony and a different pin out. Both are B9A based.	OB/GB	**10.00** **20 @ 9.00** **100 @ 8.00**

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TYPE	COMMENT	BOX	£ GBP PRICE each
	6BR7 data: Vf=6.3V, If=150mA, Va=250V, Ik=2mA, S=1.1mA/V, Pa=0.7W. **EF86 data**: Vf=6.3V, If=200mA, Va=300V, Ik=6mA, S=1.8mA/V, Pa=1.3W. More data http://scottbecker.net/tube/		
6BR7	CV4006 Brimar, UK, no logo. NOS. The 6BR7 are the same as EF86 but 6BR7 has lower microphony and a different pin out. Both are B9A based. For data, please see above.	OB/GB	**7.00** **4 @ 6.25** **75 @ 6.00** **200 @ 5.50**
6BR7	Brimar with yellow 'T' sticker or D getter, NOS. A few yellow "T" label". 20 D getter. 50 pieces 6059 / 6BR7 white "T" logo.	OB/WB	**15.00** **10 @ 13.00** **70 @ 11.00**
6BS7	Brimar, some with white T logo. UK. NOS, guaranteed. 6BS7 are the same as EF86 but 6BS7 has lower microphony and a different pin out. B9A base. Data at http://scottbecker.net	Most OB	**10.00** **10 @ 9.00** **60 @ 6.00**
6BV8	RCA USA NOS. Guaranteed. Twin triode, each section has a separate cathode. Suits FM demodulation & AF in audio receivers.	OB/WB	**3.75** **4 @ 3.35** **32 @ 3.00**
6BW6 / 9BW6	Brimar logo UK. NOS. CV4043. These are 9BW6. A 9 volt heater version of 6BW6. Electrically similar to 6V6GT but 9BW6 has 9v heater & B9A base. We are near the end of our 6BW6 stock so please consider these alternatives.	OB	**4.00** **20 @ 3.00** **80 @ 2. 50**
6BW6 / CV4043	Brimar logo UK. NOS. CV4043. Electrically identical to 6V6GT but has a B9A base.	OB	**6.00** **8 @ 4.60** **50 @ 4.50**
6BW6 / CV4043 **Grade One**	Brimar logo UK. CV4043. Grade 1 (used but test about 80 percent emission decent appearance not new appearance. Good print etc. Electrically identical to 6V6GT but has a B9A base.	G1	**4.50** **100 @ 2.75**
6BW7	**Audio pentode, possible driver for 300B.** 300 Brimar logo, 400 Mazda logo. All UK. NOS. Photo/data http://www.r-type.org/exhib/aaa0340.htm	OB	**4.00** **4 @ 3.34** **100 @ 3.00** **700 @ 2.70**
6BX7GT	RCA, Sylvania & Westinghouse. NOS.	OB/WB	**14.00** **4 @ 11.00** **30 @ 10.00**
6BY6	NOS with logo. A pentode or strap it up as a triode. Potential audio type. B7G base. Data: Vf=6.3V, If=300ma, Va=250V, Ik=7mA. Sets of 200 pieces uniform and same brands. Guarantee. Similar to 6BE6. Jan military issue 5915 tubes, an interesting dual control heptode. Can be utilised as mixers or frequency changers. A long lasting good quality heptode. Data www.mif.pg.gda.pl/homepages/frank/sheets/093/6/6BY6.pdf	GVT	**2.50** **200 @ 1.60**
6BY7	Please refer to **EF85** equivalent.		
6BZ6	Audio pentode, similar to EF805S Telefunken except different base. These are 6BZ6 JAN ECG Philips logo, USA NOS. All clean identical, guaranteed. 6BZ6 is a B7G base audio pentode. Data/curves for both types on tubedata.itchurch website.	OB/GVT	**4.00** **10 @ 3.50** **40 @ 2.10** **100 @ 1.70** **1,000 @ 1.60**
6BZ6	Audio pentode, similar to EF805S Telefunken except different base. USA NOS. 200 Japanese NOS 6BZ6. These are 6BZ6.	BP/WB	**3.50** **10 @ 2.50** **200 @ 1.80**
6BZ7	USA, NOS, 10 RCA etc. Potential audio valve. Data on request.	Most OB	**4.00** **10 @ 3.75**
6C4	Brimar logo UK NOS. Military, all NOS, tested, UK made. 6C4 is half of an ECC82 but on a B7G base, also very similar to 6J5G but on a different base.	OB/WB	**13.00**
6C4	Mullard logo, UK. NOS. Box anode. Tested & guaranteed. Printed M8080 & CV4058.	OB/WB	**16.00** **8 @ POA**

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TYPE	COMMENT	BOX	£ GBP PRICE each
6C4	Mullard logo, NOS. Double suture ladder anodes looks similar or identical to Mullard UK made. NOS, tested guaranteed. Mullard UK built advanced tube manufacturing facilities in England , but also in Holland, France, Australia and India. These Indian made tubes were manufactured using Mullard British-supplied tooling and expertise, so these tubes look identical to Mullard UK.	GVT	**8.00** **10 @ 6.00**
6C4	RCA NOS and tested. RCA logo black anode, square getter.	Most OB	**8.00**
6C4	Sylvania tested, Sylvania logo, black anode, square getter or triple mica.	OB/WB	**6.00**
6C4 USED	Brimar logo, all used but tested, UK made.	WB	**7.00**
6C4 USED	Mullard logo, UK made. Used but tested working, clean appearance. Box anode like CV4058.	WB	**8.00**
6C4 USED	Mullard logo, UK made. Used but tested working, clean appearance. Ladder anode.	WB	**6.00**
6C4 / CV4058 / 6C4 / EC90	Mullard logo UK NOS. Box anode.	OB/WB	**18.00**
6C4 / CV4058 / EC90	Mullard logo UK NOS. Ladder anode.	OB//WB	**13.00**
6C4 / EC90	Tung-Sol tested, Tung-Sol logo, grey anode, square getter.	OB/WB	**6.00**
6C4 / EC90	All ring getters. NOS tested, 8 GE USA made, 6 Mazda Japan made. Other USA brands. 12 Westinghouse USA made. All grey anode, ring getter.	OB/WB	**5.00**
6C4 / L77	MWT / Marconi British made. Black anode plate, square getter. Fully tested on AVO VCM 163.	OB	**25.00** **3 @ 20.00**
6C4N-E / 6C4N / 6S4P / 6C4P	These are 6C4PI-EB, Russian NOS. 6C4N (6S4P) is a low noise single triode from the Russian military. Ultra-low noise, suits preamps etc. 90 day guarantee. Counter offers considered for 50 pieces. We should be able to find data on this tube, on request.	OB	**7.50** **4 @ 6.50** **50 @ 5.00**
6C5	Similar to 6J5G and L63 but these are black metal. 4 of each brand: GE, Kenrad, Arcturus, RCA, Sylvania & others. Audio pentode similar to 6J5.	OB/WB	**3.50** **24 @ 3.00**
6C5G	Brimar Mullard and other UK made NOS. Tested, guarantee.	OB/WB	**26.00**
6C5G	Sylvania & other USA made NOS. Tested, guarantee.	OB/WB	**30.00** **8 @ 27.50**
6C5GT	UK / USA NOS. Hivac, Hytron, Sylvania & Mullard. 2 of each.	Most OB/GB	**10.00** **8 @ 8.00**
6C6	USA / West European made NOS. Similar to 6J7G, EF37, but different pin out.	OB/WB	**7.00** **10 @ 5.50**
6C10	USA NOS. Compactron, 12 pin tube, a few only.	OB/WB	**65.00**
6C10 USED	USA used tested. Compactron, 12 pin tube, a few only.	WB	**35.00**
6C19Pi	Alias 6C19N 6S19P from the Voskhod 'Rocket' factory. NOS. Guarantee. A power triode to suit high-end amplifiers, Data https://frank.pocnet.net/sheets63.html	OB	**5.50** **20 @ 4.80**
6C19Pi-b	Svetlana. NOS. Guarantee. Also called 6C19-n, 6S19, 6C19Pi or 6C19P. A small power triode to suit high-end amplifiers eg Transcendent Sound T16 OTL, Little Dot headphone amp. Data https://frank.pocnet.net/sheets63.html	OB/WB	**28.00** **20 @ 20.00**
6C33C	Please refer to **6C33CB.**		
6C33C	Russian, NOS.	OB/WB	**36.00** **8 @ 33.00**
6C33C	Russian, NOS. Same as Sovtek but without logo. Guaranteed. Socket is SOC71WC. Plug in replacement for 6C33CB, (6C33C are older and rarer).	OB/WB	**40.00** **16 @ 37.00**
6C33CB	Russian. NOS. Same as Sovtek but without logo. Guaranteed. Socket is SOC71WC.	GB	**35.00** **10 @ 28.00**
6C33CB USED	Russian. Same as Sovtek but without logo. Guaranteed.	OB/WB	**15.00**

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TYPE	COMMENT	BOX	£ GBP PRICE each
	Look new test used.		6 @ 14.00
6C4			
6C41C / 6C41	1980s NOS. Ulanov Russian made audio triode, 30 watts plate dissipation. Data www.mclink.it/com/audiomatica/tubes/6c41.htm or tdsl.duncanamps.com website	OB	11.00 20 @ 9.00
6C45□(Pi)	Sovtek with Russian print instead of logo. NOS.	OB/WB	21.00
6CA4	Please refer to **EZ81.**		
6CA7	Please refer to **EL34** Billington Gold.		
6CB5	RCA x 4 & 2 other USA. NOS tested clean. Potential audio type. Data http://scottbecker.net/tube/sheets63.html. Photos on eBay.	OB/GVT	4 @ 15.00
6CB6	100 x Philips Holland, 100 x RCA, 100 x Sylvania, 300 other USA. All NOS clean and guaranteed. Potential audio type. Fits Marantz 8B and other audio amplifiers. B7G base pentode with data: Vf=6.3V, If=300mA, Va=200V, Ik=10mA, S=6.2mA/V. More data http://scottbecker.net/tube/sheets63.html Photos on eBay.	OB/GVT	2.30 20 @ 2.00 100 @ 1.80 500 @ 1.60
6CD6G	Brimar logo UK NOS. Plus other West European brands. Shouldered shape. Data http://scottbecker.net/tube/sheets63.html	GVT	6.00 10 @ 5.25
6CD6GA	USA NOS. 2 or 3 USA made brands: RCA, Westinghouse etc. Guaranteed.	Most OB	6.00 30 @ 4.00
6CD6GA	GE green logo USA NOS. All the same appearance. Guaranteed. An octal base audio pentode with similarities to 6L6G, though not equivalent.	GVT	3.50 80 @ 3.25
6CG3	Mostly GE plus a few other USA NOS. Partly similar to 6AX4, 6AU4, 6CJ3 or 6CG3. An octal rectifier, first designed for radio but now being used in hi fi /audio.	OB/WB	6.00 20 @ 4.00
6CG7	Please refer to **8FQ7** near equivalent. The only difference is heater is 8v not 6.3V.		
6CG7 / 6FQ7	Mazda logo UK NOS. Out of stock, please enquire.		POA
6CG7 / 6FQ7	Mazda logo made in Japan. NOS tested guaranteed. You're buying single tubes but matched pairs possible, for a fee.	OB	8.00 10 @ 7.00 100 @ 5.75
6CG7 / 6FQ7	RCA logo. USA. NOS. Clear top, or square getter, or black anode.	OB	21.00
6CG7 / 6FQ7	USA made. NOS with logo. Westinghouse, GE, Sylvania.	OB	11.00
6CG7 / 6FQ7 Grade One	Mazda logo made in Japan. Useful audio double triode. Clean appearance. Grade 1 tested guaranteed, GOOD appearance. Match pairs possible.	WB	4.50 10 @ 4.00 100 @ 3.40
6CG7 / 6FQ7 Grade One	Raytheon logo made in Japan. Useful audio double triode. Clean appearance. Grade 1 tested guaranteed. Match pairs possible.	WB	4.50 100 @ 3.40
6CG7 / 6FQ7 USED	Mazda logo made in Japan. Useful audio double triode. Decent appearance for a used tube. Used tested guaranteed. **06.08.21 Our client FB said these sounded better than RCA USA!**	WB	3.00 100 @ 2.50 300 @ POA
6CG7 / 6FQ7 USED	40 x Raytheon logo made in Japan. 40 x Mazda logo made in Japan, 4 x Sylvanias made in USA. Useful audio double triode. Decent appearance for a used tube. Match pairs possible for a fee. Used tested guaranteed.	WB	3.00 50 @ 2.65 300 @ 2.40
6CG7 / 6FQ7 USED	RCA logo, USA. **Clear top**, some black anode. In sets of 4 pieces identical, ie same construction, same print, etc. Used not new appearance but decent appearance, tested 65 per cent + and guarantee.	WB	10.00 10 @ 9.00 100 @ 7.00
6CH6 / CV4055	Brimar logo, UK NOS.	GVT	5.50
6CH6	Brimar, UK, description exactly as below but these have GVT prints and NO Brimar logo. NOS printed CV4055. GVT crates of 100. 6CH6 was utilised by the British military being of longer life and more reliable than EL84. Transformers designed for EL84, EL33, KT61 might be applied to 6CH6 if you have specialist knowledge.	GVT	5.00 100 @ 4.00

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TYPE	COMMENT	BOX	£ GBP PRICE each
	The 6CH6 gives a crisp low distortion audio output. 6CH6 is VERY similar to EL33 and KT61, but EL33/KT61 is octal base. 6CH6 also has similarities to EL84 (not equivalent). Data: Vf=6.3V, If=750mA, Va=250V, Ik=40mA, S=11mA/V, Pa=12W. More 6CH6 data http://tubedata.itchurch.org/sheets62.html EL33 data http://tubedata.itchurch.org/sheetsE1.html		
6CH6	Brimar logo, UK, NOS printed CV4055. These are slightly cheaper as they're white box, but still 100% genuine NOS tubes & guaranteed. EL33 data http://tubedata.itchurch.org/sheetsE1.html	WB	**4.50** **20 @ 3.80** **100 @ 3.20**
6CH6	**Audio amplifier.** Some years ago, our agent constructed an amplifier [parallel push pull class AB1] using 4 x 6CH6 valves [plus 6C4, 6BR7, 5U4G] [EL821=6CH6=CV4055]. We can send you a free circuit diagram and data to build this 15watt stereo amplifier. The amplifier gives excellent crisp clear sound when used with a CD player. Demonstration of the amplifier maybe possible by appointment at our agent's office. 6CH6 has some similarities to EL84 but is not equivalent. 6CH6 B9A base is near equivalent to the octal base KT61/EL33. [6CH6 in class AB1 has Vf 6.3v, Vg1 6.7v, Vg2 250v, Va 250v, Ia 30 mA, Ig2 4mA]. Free sample of Brimar 6CH6/CV4055 available [limited to one per customer].		
6CH6 / CV4055	Was used by the British military being of longer life and more reliable than EL84. Transformers designed for EL84, EL33, KT61 might be applied to 6CH6 if you have specialist knowledge. The 6CH6 gives a crisp low distortion audio output. 6CH6 is VERY similar to EL33 and KT61, but EL33/KT61 is octal base. 6CH6 also has similarities to EL84 (not equivalent). Data: Vf=6.3V, If=750mA, Va=250V, Ik=40mA, S=11mA/V, Pa=12W. More 6CH6 data http://tubedata.itchurch.org/sheets62.html EL33 data http://tubedata.itchurch.org/sheetsE1.html	OB/GVT	**POA**
6CH6 / CV4056	CV4056 / F6132 Brimar logo UK NOS. These CV4056 are the same as 6CH6 above ** but with flying leads / wire ended. Wire-ended valves can be soldered directly into a PCB to give extra low noise advantage. Data/photo http://www.tubecollector.org/cv4056.htm	OB/WB	**5.00**
6CH7	USA NOS.	OB/WB	**10.00**
6CL3	USA NOS. Brands include GE, RCA and Sylvania. Equivalent to or near equivalent to 6DW4 / 6AY3, 6CH3 / 6CJ3 / 6DA4. We can advise tube data websites for you to research equivalents etc. An audio rectifier.	OB/WB	**8.00** **15 @ 4.50**
6CL6	RCA / Raytheon / GE. USA. NOS. Clean and guaranteed. This B9A 6V pentode is used in some vintage audio equipment.	OB/GVT	**4.00** **50 @ 3.50**
6CL6 / 6197	These are 6CL6 Thomson, France. NOS, guaranteed, logo. Fully equivalent to 6197. This B9A 6V pentode fits audio equipment including Leben amplifiers. Partly similar to 6V6G EL84.B9A base audio pentode. Data: 6CL6: Vf=6,3V, If=650ma, Va=250V, Ik=31mA, S=11mA/V, Pa=7,5W. 6V6G: Vf=6,3V, If=450ma, Va=250V, Ik=50mA, S=4,1mA/V, Pa=12W. More data http://tubedata.itchurch.org/sheets64.html	OB	**4.00** **20 @ 3.50** **50 @ 2.00** **600 @ 1.70**
6CM3	**Equivalent to 6DN3.** GE, Westinghouse, Dumont & other USA NOS. All with logo, clean and guaranteed. 20 or 40 pieces of each brand. Clean & uniform appearance.	Most OB	**9.00** **16 @ 8.50**
6CM6	USA. NOS. similar to 6973.	OB/WB	**7.00**
6CM7	Deltron brand believed to be made in Japan. World beating price! New, sample tested, guaranteed. Stock arriving soon. A B9A base medium mu double triode, 2 dissimilar triodes in 1 glass envelope. We know several of our clients have used this tube in audio.	OB/WB	**2.80** **30 @ 2.00** **60 @ 1.75** **400 @ 1.50**

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TYPE	COMMENT	BOX	£ GBP PRICE each
	Data here or call our office http://frank.yueksel.org/sheets/127/6/6CM7.pdf		
6CM7	Made in Mexico, America. NOS. Sample tested & guaranteed. Double triode that can suit audio purposes. Data http://www.r-type.org/pdfs/6cm7.pdf and http://www.r-type.org/exhib/abg0009.htm Arriving Billington UK office soon.	OB/WB	**3.00** **10 @ 2.40** **50 @ 1.60** **400 @ 1.40**
6CM7	50 GE, 10 Raytheon, 50 RCA, 20 Sylvania USA made. NOS. Double triode that can suit audio purposes.	OB/WB	**3.00** **10 @ 2.50** **30 @ 2.10** **100 @ POA**
6CS7	RCA logo USA NOS. These are white box. Original box version maybe available please ask.	WB	**10.00** **20 @ 8.00** **100 @ 7.00**
6CS7	USA / West European / Japan. NOS. Please enquire for available quantity.	OB/WB	**12.50**
6CW4	6CW4 or 6DS4 equivalent. RCA USA. NOS. Please enquire about bulk quantity.	OB	**15.00** **5 @ 12.00** **50 @ 10.00**
6CW4	USA. NOS, mostly Sylvania. Tested guaranteed.	OB/WB	**11.00** **5 @ 8.00** **50 @ 6.00**
6CW4 / 8203	USA made. NOS.	OB/WB	**17.50** **20 @ 13.00**
6CW4 / 8203 **New / Grade One**	USA brands. Potential audio type. These are new but store soiled appearance, due to long time in storage. Suitable for the front end of a tuner. Similar to 6CW4 but has different pin-out, all other data is identical. Brief data: filament 6V at 0.16 Amps, Ia=7mA, Gm=6mA/V. More data http://tubedata.itchurch.org/sheets8.html	BP	**10.00** **6 @ 8.00** **30 @ 7.00**
6CX8	GE logo USA NOS, B9A base. One half is similar to ECC83. Other half is similar to EL84. **Audio triode pentode.** Data http://tubedata.milbert.com/sheets64.html	OB	**3.00** **16 @ 2.40** **50 @ 1.60** **150 @ 1.50**
6CY5	Various: 100 GE, 100 Sylvania & other USA NOS. The tube has a maximum plate power of 12 watts, which allows it to deliver power even under heavy loads. It also has a heater current of 0.45A, making it an efficient and reliable product. The 6CY5 is ideal for use in audio amplifiers and preamplifiers. Photo/data https://www.r-type.org/exhib/aci0011.htm	OB	**3.00** **20 @ 2.00** **300 @ 1.75**
6CY7	USA. NOS. Sets of 2 the same may be possible.	OB/WB	**15.00**
6CY7	USA. Used tested mixed brands.	OB/WB	**5.00**
6CZ5	RCA logo. USA NOS.	Most OB	**15.00** **8 @ 13.00**
6CZ5	USA NOS. Not RCA. Enquire for bulk prices.	Most OB	**12.00**
6CZ5 / 6GZ5	These are 6GZ5 NOS. Similar to 6CZ5 USA. NOS.	Most OB	**3.00**
6D4 / EN93 / CV1722	Made in West Europe or USA NOS. We have good quantities in stock. Please enquire.	Most OB	**POA**
6D6	USA / West European made. 10 in stock.	OB/WB	**5.00**
6D10	USA. NOS. **12 pin.**	OB/WB	**27.50**
6D22S	Russian.	GVT	**4.00** **20 @ 3.00**
6D22S	Try GEC UK top quality A2272. B9G sockets (SOC950) fit. A2272 data: http://www.tubedata.info/ if you have difficulty please contact our office.		
6D22S	For lower power operations try **EY84** Mullard. EY84 has high pulse and slow warm up properties [similar to 6D22S] and both valves can operate from the same 6.3V supply. More DATA under the EY84 section.		

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6DA6	Please refer to **EF89.**		
6DC6	Raytheon, Sylvania & other USA NOS. Guaranteed. Data: http://www.tubedata.info/ if you have difficulty please contact our office.	Most OB	**6.00** **10 @ 5.00** **50 @ 4.00**
6DE7	RCA, GE USA. NOS. Sets of 2 pieces same appearance, same brand.	Most OB	**7.50**
6DE7	Mixed USA brands. NOS. "Singles". None of these make 2 pieces of the same appearance. Hence low price.	OB/WB	**5.50** **10 @ 5.00**
6DG6GT	USA NOS. GE / Raytheon / RCA / Sylvania / Tung-Sol. 20 of each brand.	OB/WB	**3.00** **20 @ 2.20** **100 @ 2.00**
6DJ8	Please refer to **ECC88** and **E88CC**		
6DK3	ECG Philips USA NOS. This audio rectifier has many similarities to 6CL3. These are 6DK3. Data https://frank.pocnet.net/sheets6.html	OB	**7.80** **75 @ 5.80**
6DK6	Amperex / GE / RCA / USA brands. 100 pieces available.	OB/WB	**2.50** **10 @ 2.20** **200 @ 2.00**
6DL5	Please refer to **EL95**		
6DN7	16 x GE, 8 x Westinghouse. USA NOS with logo. Suits headphone amplifiers, preamps etc. Tested guaranteed. Sets of 2 pieces identical appearance.	Most OB	**8.00** **4 @ 7.00** **24 @ 6.00**
6DQ5	RCA, GE, Sylvania USA NOS.	OB/WB	**10.00** **20 @ 8.00**
6DQ5 USED	GE/Sylvania USA. Used, tested, clean. Many look near new.	OB/WB	**6.00** **12 @ 5.00**
6DQ6	USA. NOS. Please enquire re brands. Similar to 6V6GT but different pin out & top cap. Higher power than 6DQ6B.		
6DQ6A / 6DQB	USA. NOS. Please enquire re brands. Audio type, similar to 6L6GT, but different pin out & top cap.	OB/WB	**5.50**
6DR6	Mix NOS. Similar to EL81.	Most OB	**3.00**
6DR7	Westinghouse logo, or Sylvania logo, USA. NOS	OB	**5.00** **32 @ 3.75**
6DS4	Please refer to **6CW4**, exact equivalent.		
6DT8	Westinghouse & other USA. Potential audio type. Some similarities to ECC85.	OB	**3.00** **30 @ 2.40**
6DW4B	Westinghouse, Sylvania and other USA NOS. Equivalent to, or near equivalent to 6AY3 / 6CH3 / 6CJ3 / 6CL3/6DA4. We can advise tube data websites for you to research equivalents etc. An audio rectifier.	Most OB	**8.00** **10 @ 5.00** **50 @ 4.50** **150 @ 3.75**
6DW5 / 6BQ5	These are 6DW5, B9A base. Sylvania USA NOS, printed Zenith or Bogen. Similarities to EL84 / 6BQ5, but different pinout etc. B9A base. Audio pentode. Data: http://www.tubedata.info/ if you have difficulty please contact our office.	WB	**6.20** **50 @ 4.00**
6DZ4	**Or 6T8 equivalent**. Tung-Sol or RCA USA made, NOS.	Most OB	**5.00** **30 @ 4.00**
6E5	USA or Japan NOS. 6 pin magic eye indicator.	Most OB	**14.00**
6E5C	Vintage NOS Russian. Similar to EM11, EM34 but not equivalent. This is 6E5C **NOT** same as UK / USA 6E5.	OB/WB	**10.00** **15 @ 7.50**
6E5GT	Brimar etc, West Europe made. NOS with logo. Octal base magic eye. Data www.r-type.org/exhib/aaa0962.htm	OB/WB	**25.00**
6E7	North American manufacture	OB	**8.00**
6EA7	Equivalent to 6EM7. USA made NOS in stock.	OB	**8.00**
6EB8	**E**quivalent to 6GN8 GE/Raytheon/Sylvania. USA NOS. A triode-pentode, the triode section has high mu. 50+ GE all look the same, 50+ Sylvania all look the same. Data https://frank.pocnet.net/sheets64.html	OB	**3.20** **250 @ 2.50**

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TYPE	COMMENT	BOX	£ GBP PRICE each
6EH7	Please refer to equivalent **EF183**		
6EJ7	Please refer to equivalent **EF184**		
6EM5	35 Sylvania and 26 Westinghouse, USA NOS. Most have logos. Similarities to 6973. Data for 6EM5 and 6973 http://scottbecker.net/tube/index.html	Mostly OB	**7.00** **20 @ 6.40** **60 @ 4.00**
6EM7	NOS. Equivalent to 6EA7. USA made NOS. 10 GE, 40 Sylvania & 30 RCA. Mix of big base, normal base and coin base. Sets of 4 pieces the same brand & same appearance inside and out.	Most OB	**14.00** **16 @ 10.50** **80 @ 8.00**
6EM7 USED	GE and other USA. Used, tested guaranteed.	WB	**5.00**
6EU7	RCA logo USA NOS. Audio double triode. Clean, tested guaranteed. With logo. B9A base. USA. NOS. In sets of 2.	OB	**19.00** **10 @ 17.00**
6EU7 USED	USA used. Tested guaranteed. With logo. B9A base. In sets of 2.	OB	**9.00** **8 @ 8.00**
6EU8	200 RCA, 400, Tung-Sol USA. NOS with logo. Triode pentode, partly similar to ECC83. Data: **6EU8** - Vf=6.3V, If=450mA, Va=125V, Ik=12mA, S=6.4mA/V, Pa=3.1W. Data http://tubedata.itchurch.org/sheets65.html	Mostly OB	**3.00** **10 @ 2.20** **600 @ 1.80**
6EW6	USA NOS.	OB/WB	**4.00** **50 @ 3.20**
6F5	USA NOS with logo. Black metal audio valves. Similar to 6F5G / L63. Some are printed Haltron.		**5.00**
6F5G	West European / North American brands.	OB/WB	**17.00**
6F5G	Please refer to H63 equivalent.		
6F6	GE, Sylvania etc. USA NOS with logo. Black metal audio valves. Similar to 6V6.	OB/GVT	**17.50** **50 @ 15.00**
6F6 **Grade One**	RCA, Kenrad & other USA made. Black metal audio valves. Sets of 10 pieces, identical brand/appearance. Test as Grade One, guaranteed. Similar to 6V6. Data http://tubedata.milbert.com/sheets6.html	G1	**12.00** **30 @ 10.00**
6F6G	RCA, Sylvania, Raytheon & Westinghouse. USA or Canada. NOS. See also KT63 GEC UK exact equivalent.	OB/WB	**25.00** **24 @ 22.00**
6F6G USED	RCA/Sylvania/Raytheon/Kenrad/GE USA. Used but test 60 percent emission or more. See also KT63 GEC UK exact equivalent.	WB	**19.00** **10 @ 12.00**
6F6GT	National Union and other USA made, with logo. NOS. 3 or 4 USA brands. Similar to 6V6GT.	OB/WB	**18.00** **40 @ 15.00**
6F6GT	Zaerix Russian made with logo. NOS. 30 look the same, tested guaranteed.	OB	**7.00** **30 @ 5.50**
6F8G	USA NOS. 5 pieces mix brands. Includes round anode.	OB/WB	**34.00**
6F14 / CV2243	STC / ITT. Improved data recently found! **Audio pentode** STC/ITT logo UK NOS. These CV2243 are equivalent to 6F14 but with a 9 pin base. These CV2243 are partly similar to EL84 but not equivalent. CV2243 is equivalent to STC 5A–206K. Between these links you should get all the data/photos you need: data www.tubecollector.org/cv2243.htm https://frank.pocnet.net/other/ServiceTypes/CVnumbers.html	OB/GVT	**5.00** **100 @ 4.00** **400 @ 3.75**
6F15	Mazda and other UK (NOS). Suits Murphy radios etc. 50 pieces in stock.	OB/WB	**4.00**
6F33	B7G audio pentode. Similar to EF91. STC ITT, UK NOS with logo. Data www.r-type.org/exhib/aaa0063.htm or www.tubecollector.org/cv4064.htm	Mostly GVT	**5.00** **200 @ 4.50** **500 @ 4.00**
6FD5	Made in Italy by ATES. In original ATES 100 way / bulk pack / egg crate, but no logo on glass. 6FD5 / 6QL6 is a B9A base miniature beam power tube. Data https://bms.isjtr.ro/search.html also in vade mecum or ask us. Some similarities to EL12, EL33, EL41, N78.	Most OB	**5.00** **10 @ 4.00** **200 @ 3.00**
6FD7	RCA, GE USA. NOS.	Most OB	**7.50**

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TYPE	COMMENT	BOX	£ GBP PRICE each
	Sets of 2 pieces same appearance, same brand.		
6FD7	USA NOS. **None of these make 2 pieces of the same** appearance.	OB/WB	**5.50**
6FH5	UK/USA NOS. Good quantities in stock. Please enquire.	Most OB	**POA**
6FH8	Potential audio tube. RCA, NOS clean guaranteed, with logo. Might be useful as a driver for EL84 in SE mode. Data: http://www.tubedata.info/ if you have difficulty please contact our office.	Most OB	**8.50** **150 @ 4.50**
6FM8	RCA USA With logo. RCA logo USA NOS. Audio type. FM detector and AF voltage amplifier.	OB	**2.50** **50 @ 2.00**
6FQ7	Please refer also to 6CG7, exact equivalent.		
6G5G / Y63	MOV, UK NOS. Many similarities to EM34. Data http://scottbecker.net/tube/sheet/155/6/6U5.pdf.	OB/WB	**25.00** **10 @ 22.00**
6G5G	Please refer to **Y65.**		
6G6 USED	Mixed USA brands. Used, not the best appearance, tested and guaranteed.	GB	**5.00** **35 @ 4.00**
6G6G	USA NOS with logo. Mostly Kenrad. Audio tube.	OB/WB	**8.50** **20 @ 6.50**
6G6G	Please refer also to equivalent **VT198A.**		
6GB8	Japanese NOS. Guide price GBP75 wholesale.	OB	**POA**
6GE5	USA NOS. Varied brands.	OB/WB	**6.50** **16 @ 6.00**
6GH8A	USA NOS with logo. Approximately 100 of each brand Zenith, GE, Sylvania and ECG. These are 6GH8A triode pentodes. They can work as a substitute for the rare 7199 by adding an adaptor that is sold in USA. Data for both: http://scottbecker.net/tube/index.html	OB	**3.00** **10 @ 2.20** **400 @ 1.80**
6GH8A / 7199	These are 6GH8A triode pentodes. They can work as a substitute for the rare 7199 by adding an adaptor that is sold in USA. Data for both types http://scottbecker.net/tube/index.html USA NOS with logo. Approx 30 of each brand Zenith, GE, Sylvania & ECG.	OB	**4.00** **10 @ 3.00** **120 @ 2.75**
6GK5	Sylvania, GE & other USA NOS. Tested, guaranteed with logo. Audio triode for Conrad amplifiers/FM tuners. Detailed mid clarity and smooth treble response. Supported structure gives low microphony.	OB/WB	**5.80** **20 @ 4.75** **100 @ POA**
6GK5 / PC97	These are **PC97 Mazda UK NOS single triode.** Long lasting good quality B7G base triode. PC97 is almost identical to 6GK5 except the 4.5V heater. Data: http://www.tubedata.info/ if you have difficulty please contact our office.	OB	**2.50** **15 @ 2.25** **50 @ 2.00**
6GM6	UK/USA NOS. Good quantities in stock. Please enquire.		**3.00** **Bulk @ POA**
6GU7	RCA USA NOS.	Most OB	**5.50** **10 @ 5.00**
6GW8	Please refer to equivalent **ECL86**.		
6GX8	Please refer to **EAM86.**		
6GZ5	USA NOS with logo. Similar to 6CZ5 and 6973.	OB/WB	**3.00**
6H1	STC logo, UK. NOS CV132 / 6H1 RF hexode mixer. It is designed to operate with a separate triode oscillator that injects into grid 3. The maximum design frequency is 20 MHz. Very similar to 6BE6, but heater takes only 200 mA. Suitable for mixer or frequency changer. More data http://tubedata.itchurch.org/sheets66.html **Please don't confuse with Eastern made tubes of similar name.**	OB/GB	**2.00** **10 @ 1.50** **1,000 @ 1.00**
6H1Pi / 6H1□ [6N1P]	Russian. Probably 1960s made. Printed 6H1P [Cyrillic script]. NOS, double triode with same pin out as ECC88. Similar to ECC88 and ECC83, but not equivalent. Data http://tubedata.itchurch.org/sheets67.html	BP	**4.25** **20 @ 2.80** **100 @ 2.50** **300 @ 2.00**
6H6	Kenrad/RCA/Sylvania/other USA brands. Black metal. These are clean and guaranteed. **Potential audio type.** Amazing low price!	OB/WB	**2.40** **100 @ 2.00**

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TYPE	COMMENT	BOX	£ GBP PRICE each
6H6G	USA NOS. Shoulder shape. Small quantity. Usually available.	OB/WB	14.00
6H6GT	Sylvania, Brimar & other UK/USA, NOS. Sets of 4 pieces same brand, same appearance. Potential audio type. Some are printed 6H6G but they're all straight sided shape.	OB/WB	3.00 10 @ 2.50
6H6P / 6H6Pi	Russian "alias" 6N6P. B9A Audio double triode.	OB/WB	8.00 10 @ 6.50 100 @ POA0
6H23N	Refer to 6922 / 6H23N for stock details.	OB/WB	POA
6H30Pi	EH or Sovtek, grey pin. Depending what stock we have day to day. Both Russian new tested.	OB/WB	30.00 10 @ 27.00
6HB5	2 x RCA, 2 x Siemens, 2 x Westinghouse. USA made, NOS. Tested, guaranteed.	Most OB/WB	25.00 6 @ 22.00
6HS6	USA NOS.	Most OB	21.50
6HZ8	Raytheon.	OB	7 @ POA
6J1	**Please refer to EF95.** Chinese made. NOS. hundreds in stock.		
6J4	CV5311 Mullard, UK, NOS, some have logo. Single triode. 6J4 has some similarities to ECC81 and EF92. 6J4 data http://tubedata.itchurch.org/sheets66.html	OB	6.00 100 @ POA
6J4 / 6J4S	Thomson France NOS. They're 6J4S equivalent to 6J4. NOS perfect and guaranteed. 6J4S is a B7G base double triode with common cathode. Similarities to ECC81/12AT7. 6J4 - Vf=6.3V, If=400Ma, Va=150V, Ik=15Ma, S=12Ma/V, Pa=2.3W. Data http://tubedata.itchurch.org/sheets65.html Offers considered for orders over 100 pieces.	OB	4.00 10 @ POA
6J5	GE / Kenrad / other USA NOS.	GVT/WB	6.25
6J5	RCA logo USA. NOS.	OB/WB	8.00
6J5 Grade One	GE, Kenrad, Raytheon, RCA etc. USA made with logo. Black metal. Test as grade one. Guaranteed.	G1	4.50 20 @ 3.50
6J5 USED	GE, Kenrad, Raytheon, RCA etc. USA made with logos. Black metal. Used not new appearance but tested/guaranteed. Deduct 25p if you accept with no box.	WB	3.00 30 @ 2.50
6J5G	STC Brimar UK. NOS. Tested, guaranteed.	OB/WB	65.00 8 @ 55.00
6J5G	GEC UK NOS. Shouldered shape. NOS tested guaranteed. Sets of 2 pieces identical appearance, usually possible.	OB/WB	110.00
6J5G	Mullard logo, UK NOS. Shouldered shape. NOS tested guaranteed.	OB/WB	67.50 4 @ 55.00
6J5G	USA NOS with logo. RCA, Sylvania, Westinghouse with logo. Sets of 2 pieces identical appearance. Shouldered shape. Tested, guaranteed.	OB/WB	30.00 4 @ 28.00
6J5G	USA NOS with logo. Raytheon. Sets of 2 pieces identical appearance. Shouldered shape. Tested, guaranteed.	OB/WB	32.00 4 @ 30.00
6J5G	USA NOS with logo. Raytheon, Sylvania, Tung-Sol, Westinghouse with logo. Singles, NOT sets of 2 pieces identical (different base colour, glass colour, height etc). Shouldered shape. Tested guaranteed.	OB/WB	23.00 4 @ 21.00 16 @ 19.00
6J5G Grade One	USA made. Raytheon, Sylvania, Tung-Sol, Westinghouse with logo. Grade One. Tested/guaranteed. Sorry, NOT sets of 2 pieces identical, (NOT same appearance). Shouldered shape.	G1	16.00 10 @ 11.00
6J5G USED	10 Raytheon and 10 Westinghouse, USA made. Tested used. Shoulder shape with logo. Used, tested/guaranteed.	WB	12.00 10 @ 9.00
6J5G USED	UK made. 2 of each. STC Brimar and Mullard. Shoulder shape with logo. Used, clean, tested/guaranteed.	WB	27.00 6 @ 24.00
6J5GT	Brimar UK, 4 pieces, metal base. NOS & tested as NOS.	OB/WB	25.00 4 @ 22.00
6J5GT	Chinese made. New clean, tested guaranteed. GT shape. Metal base. These have similar appearance to USA item.	WB	7.50 50 @ 5.50

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TYPE	COMMENT	BOX	£ GBP PRICE each
6J5GT	Mullard UK NOS, metal base.	OB/WB	**45.00**
6J5GT	Made in Russia in the 1970s. Rugged construction. Similar to L63/6J5G. New clean, tested guaranteed. Many are branded and boxed by Pinnacle of England. Bargain price and good quality.	OB	**8.00** **30 @ 5.50**
6J5GT	STC, Brimar UK, NOS. With logo. Tested guaranteed. Sets of 2 of the same appearance.	OB/WB	**33.00** **4 @ 30.00**
6J5GT USED	Brimar UK, 6 pieces, metal base. Used, tested working. Sets of 2 pieces of identical appearance, unless advised otherwise.	WB	**12.00** **4 @ 11.00**
6J5GT USED	Brimar UK or STC UK, with logo. Tested as used, guaranteed. Decent appearance. Sets of 2 the same appearance.	WB	**16.00** **4 @ 14.00**
6J5GT USED	Chinese made. These look new, but test as used, around 60 percent emission. GT shape. Metal base. Low price. These have similar appearance to USA item but they are Chinese made.	WB	**3.75** **20 @ 3.00** **100 @ 2.75**
6J5GT	Please refer to the following alternatives, not equivalents, for low cost alternatives: 9002, 12J5GT, 6F5GT, 6C5GT.		
6J5GT	All USA NOS with logo. Metal base. 4 GE, 2 RCA, 8 Sylvania & 10 Raytheon, USA. 2 Raytheon, Japan. 10 Kenrad, 8 Brimar UK. Sets of 2 pieces of identical appearance unless advised otherwise.	OB/GB	**18.00** **8 @ 17.00** **40 @ 15.00**
6J5GT / 6J5WGT USED	All USA used, tested, working with logo. 16 KenRad, 6 Sylvania, 12 Raytheon, sets of 2 pieces of identical appearance, unless advised otherwise.	WB	**9.00** **4 @ 8.00** **34 @ 7.00**
6J5WGT	Raytheon USA NOS, logo.	OB/WB	**16.00** **4 @ 15.00**
6J5WGT	USA NOS with logo. Metal base. Raytheon, USA. Sets of 2 pieces of identical appearance unless advised otherwise.	OB/GB	**20.00** **4 @ 18.00**
6J6	Mullard, UK 6J6/CV4031 GVT print, **no Mullard, logo**. Please refer to ECC91 for pricing.		
6J6	Please refer to **ECC91** for exact equivalent		
6J6 / 6J6A	USA NOS made including RCA, Sylvania and Westinghouse. Including 6101. In sets of 5 pieces, same brand same appearance.	Most OB	**4.00** **10 @ 2.50** **100 @ 2.00**
6J6 / 5964	Sylvania, Raytheon or RCA. USA. NOS. With logo. These are 5964 with B7G bases and double triode with common cathode. Equivalent to 6J6. Similarities to 6J4 and ECC81. Data www.tubedata.org	Mostly OB	**2.50** **10 @ 2.20** **50 @ 2.00** **500 @ 1.75**
6J6 / 5964	Westinghouse, Sylvania, Raytheon. USA NOS. Data in above paragraph. Sorry at this price they are NOS, guaranteed but untested. Print may vary, some are egg crate / bulk pack.	OB/WB/BP	**2.20** **10 @ 1.80** **300 @ 1.40**
6J7	USA NOS. Black metal tube. RCA, or Ken-rad.	OB/WB	**6.00** **12 @ 5.00**
6J7 USED	USA brands, black metal. Used, not new appearance, decent appearance. Brands include RCA, Sylvania & Westinghouse. Tested guaranteed.	WB	**3.00** **50 @ 2.20**
6J7G	UK NOS includes MOV, Marconi, Brimar UK. Rare item, usually in stock. Includes Z63 and KTZ63 equivalent.	OB/WB	**27.50**
6J7G / 8D2	These are 8D2 STC / Brimar UK NOS or V108 Brimar UK with military print. Same as 6J7G but larger B7 base. Socket to fit in stock SOC7PT4C. Data/photo http://www.r-type.org/exhib/ach0001.htm	Most GB	**12.00** **8 @ 10.00** **40 @ 7.00**
6J7G / 18015	These are 18015 Philips logo NOS. West Euro made. ST shape. Require large B7 socket (SOC7PT4C socket from our stock). Audio pentode with some similarities to 6J7G EF86 and C3M but not equivalent (21v heater B7 base). Vade mecum data https://tubedata.altanatubes.com.br/search/ These are 180151 tubes. Near offers considered for 100 pieces.	OB	**7.00** **2 @ 6.66** **20 @ 5.00** **400 @ 4.00**
6J7G	Brimar/MOV other UK brands. Used testing over 80% emission.	G1	**18.00**

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TYPE	COMMENT	BOX	£ GBP PRICE each
Grade One	Only 1 or 2.		
6J7G Grade One	Raytheon / other USA brands. Used testing over 80% emission.	G1	15.00
6J7GT	West European brands including Mullard, Brimar & Tungsram, UK.	OB/WB	12.00 Bulk @ POA
6J7GT / 12J7GT	NOS 12J7GT. Fivre logo. NOS. Made in Italy using RCA tools and RCA collaboration. These 12J7GT are like 6J7GT but they have different heater. Data: http://www.tubedata.info/ if you have difficulty please contact our office.	OB	5.00 80 @ 3.50
6J8G	NOS and used. Mullard USA, Radiotron.	OB/WB	POA.
6J11	USA. NOS. RCA, Sylvania & Westinghouse.	OB/WB	4.00 20 @ 3.00
6JB6A	RCA LOGO USA made. NOS.	OB/WB	30.00
6JC6	USA made NOS. Raytheon.	OB	3.00 10 @ 2.20 75 @ 1.80
6JE6C / 6LQ6	USA / JAPAN NOS. Same price for retail or wholesale on this item.	OB/WB	45.00
6JE6C/ 6LQ6 USED	USA. Tested working, guaranteed. Not new looking but fair appearance.	WB	15.00 20 @ 11.00
6JF5	Sylvania, RCA & other USA. NOS.	Most OB	25.00 4 @ 20.00
6JM6 / 6JE6C / 6LQ6	USA NOS. GE, RCA, Sylvania & Raytheon. NOS, tested & guaranteed. These are 6JM6. Equivalent to 6JE6C / 6LQ6.	OB	70.00
6JN6	USA, NOS guaranteed.	OB/WB	3.50
6JS6C	USA, Japan. NOS. Same price for retail or wholesale on this item. Several in stock.	OB/WB	35.00
6JS6C Grade One	USA manufacture including RCA, GE.	G1	18.00
6JE6C USED	USA or Japan. Used. Tested guarantee. Several in stock.	BP	11.00
6JT6	USA. NOS, incl RCA. 2 pieces the same appearance.	OB/WB	21.00
6K6G	USA. NOS. Audio pentode.	OB/WB	8.00
6K6GT	16 Kenrad, 8 National Union, 12 Raytheon, 50 RCA, 40 Sylvania, 15 Westinghouse, 40 Tung-Sol, & other vintage USA made NOS. Audio pentode. Partly similar to EL84. Appearance varies (grey glass, black glass, slightly taller or shorter glass etc), but they are supplied in sets of 4 of the same appearance.	OB/WB	8.00 100 @ 6.00
6K6GT	Tung-Sol, logo USA made NOS. Audio pentode. In sets of 4 of the same appearance.	GB	10.00 30 @ 8.50
6K6GT USED	Sylvania, Kenrad, Tung-Sol and other vintage USA made. Used tested. Decent appearance, good print, in sets of 4 the same brand/appearance. Audio pentode.	WB	4.00 10 @ 3.50 75 @ 2.50
6K7	Audio type. GE logo, USA NOS. Box & metal also printed CV1942. NOS & guaranteed. Black metal. A remote-cut off variable Mu octal pentode, for audio compressors.	GB	4.00 6 @ 2.80 150 @ 2.60
6K7	Please refer to EF39 near equivalent.		
6K7G	GEC UK NOS. ST Shape. Equivalent to KTW63. A remote-cut off variable Mu octal pentode for audio compressors.	GVT	10.00 50 @ 6.00 100 @ POA
6K7G	UK made NOS. Mint condition, Gov't box. Believed to be GEC UK made. Printed CV1941 KB-RC (ie Ferranti military code).	GB	6.00 8 @ 5.00 50 @ 4.50 100 @ 4.00
6K7GT	USA NOS. Audio tube. See 6K7G for more info.	OB/WB	3.00 30 @ 2.80
6K16 / 6H16	Russian print, believed equivalent to 6111.	WB	1.50 300 @ POA
6K16BV	Made in Russia NOS. Good quantities in actual physical stock.	OB/WB	50 @ POA

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TYPE	COMMENT	BOX	£ GBP PRICE each
	Please enquire.		
6K8	RCA logo, USA NOS. Tested/guaranteed. Black metal.	OB/WB	**5.00**
6K8G	Brimar & other USA or UK NOS. Guaranteed. ST shape.	OB/WB	**5.00** **16 @ 4.00**
6K8G	Made in USA. NOS. Good quantities in actual physical stock. Please enquire.	OB/WB	**40 @ POA**
6K8GT	Haltron logo, but believed UK made. NOS tested/guaranteed. Cheap, possible audio pentode.	OB/WB	**5.00** **4 @ 4.00** **100 @ 3.75**
6K8GT	Made in UK & 40 made in USA. NOS. Well-known brands in physical stock. Please enquire.	OB/WB	**5.50** **40 @ 5.00** **80 @ 4.80**
6KD6	USA/Japan. NOS. When available GBP40 wholesale.	OB/WB	**POA**
6KD6	Made in USA, mostly RCA. NOS.	OB	**100 @ POA**
6KD6 USED	**Tested. USA** / **J**apan.	WB	**20.00**
6KD8	Please see **6U8A** and **ECF82**		
6KE8	UK/USA NOS. Good quantities in stock. Please enquire.	Most OB	**4.00** **Bulk @ POA**
6KN8A	These are **6R-HH8A** NOS. USA.	OB/WB	**12.50**
6KS6	GE, USA NOS. Etched as "6KS6". Possible audio type. 800 pieces. Deduct 25p if you accept in bulk pack, ie cheaper without WB. B7G pentode. Data http://tubedata.itchurch.org/sheets67.html Data Vf=6.3V, If=300mA, Va=330V, Ik=5mA, audio pentode.	WB	**3.00** **10 @ 1.40** **800 @ 1.00**
6KV6A	Sylvania and other USA NOS.	Most OB	**33.00**
6L5G	West European/North American brands including RCA, Sylvania etc. Some similarity to 6J5G.	OB/WB	**4.00**
6L6	USA NOS. black metal. NOS tested guaranteed. 3 or 4 different brands. Please inquire re brands available	OB/WB	**22.00** **8 @ 16.00** **40 @ 15.00**
6L6 **Grade One**	RCA logo and a few Kenrad logos. USA made. Tested as Grade One. Unused but imperfect appearance due to long term storage.	G1	**12.00** **10 @ 9.50**
6L6 USED	RCA, used, tested and guarantee. 65 per cent emission.	BP	**7.00** **10 @ 6.00**
6L6	RCA logo. USA NOS. black metal. NOS tested guaranteed.	OB/WB	**22.00** **8 @ 16.00**
6L6	Please refer to **1619** RCA which is very similar but has 2.5 volt filament.		
6L6 / 1614	RCA USA. NOS black metal. These 1614 are near equivalent to 6L6.	OB	**22.00** **6 @ 17.00**
6L6G	Brimar logo. UK, NOS. Black glass, black base. Sometimes available.	GVT	**101.00**
6L6G	Mullard logo. UK. NOS.	Most GB	**60.00**
6L6G	Westinghouse. USA NOS with logo. Tested/guaranteed. Sets of 2 the same appearance.	Most GB	**35.00**
6L6G	Chinese. Test, clean, guarantee.	WB	**6.00**
6L6G	Raytheon or other Japan. NOS.	Most GB	**25.00**
6L6G	RCA USA. Mullard UK. NOS with logos. Clean, tested/guaranteed.	Most GB	**52.00**
6L6G	Sylvania, Westinghouse or other USA NOS with logos. Clean, tested/guaranteed. 8 pieces but 8 different brands. **Regret none are 2 of the same appearance.**	OB/WB	**30.00** **8 @ 24.00**
6L6G **Grade One**	4 x RCA, 4 x Sylvania and 4 x Westinghouse, USA with logo. Tested as grade one, and guaranteed. Quantities vary every week. Please enquire for current availability.	G1	**24.00** **4 @ 18.00** **12 @ 16.00**
6L6G USED	Brimar logo. UK, NOS. Black glass. Black Base. Used, tested, guaranteed. Set of 2 pieces, the same inside and out.	WB	**31.00**
6L6G USED	We have only limited stock, please refer to the following items that we have in better quantities:	WB	**25.00**

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PLEASE ADD 50 PERCENT RETAIL SURCHARGE FOR ORDERS UNDER GBP240.

BILLINGTON EXPORT LTD

TYPE	COMMENT	BOX	£ GBP PRICE each
	7581A - catalogue page 84, 6L6GC - USSR matched within 2 percent, catalogue page 38, 5881 - Tung-Sol GE RCA, catalogue page 74.		
6L6G / KT66	UK NOS. These are printed Mullard logo KT66, but these test like a 6L6G shoulder ST shape. Grey glass. Small quantity. Some are also labelled PP60. A UK made 6L6G at attractive price.	OB/WB	**60.00**
6L6GA	Chinese. Tested, with guarantee.	WB	**15.00**
6L6GA	USA NOS. 2 of this brand, 4 of that brand. Brimar UK, Sylvania USA, etc.	GB/WB	**30.00** **4 @ 25.00**
6L6GA **Grade One**	USA. Test as grade one. Don't look new but look decent.	G1	**18.00**
6L6GAY	Sylvania logo. USA NOS. Sets of 4 or 8 same appearance. Matched pairs should be possible.	WB	**30.00** **8 @ 25.00**
6L6GB	RCA back anode with logo. USA. NOS. Sets of 2 pieces same appearance.	OB/WB	**55.00** **2 @ 50.00**
6L6GB	USA. NOS.	OB/WB	**20.00**
6L6GB USED	USA. NOS. used tested working.	WB	**10.00**
6L6GC	Refer also to 6L6G China, low cost near equivalent.		
6L6GC	BILLINGTON GOLD. Russian manufacture. Guarantee. Please refer to page 6 for full details.	OB	**17.00**
6L6GC	Chinese, new tested guaranteed. Includes groove tube. A few printed 7581A, a few printed KT66. All GT shape. Supplied in sets of 2 or 4 identical appearance. Bargain price.	OB/WB	**14.00** **20 @ 11.00**
6L6GC	ECG Philips logo. USA NOS. 8 pieces look the same. Matched pairs may be possible. Very attractive appearance.	OB	**65.00** **8 @ 60.00**
6L6GC	Japan. NOS. Singles, not sets of 2.	OB/WB	**40.00** **6 @ 30.00**
6L6GC	USA. NOS. Includes GE, excludes RCA. 2 pieces look the same.	OB	**60.00**
6L6GC	USA. NOS. Singles. None of these make sets of 2, this means that no 2 pieces look the same. We may be able to find 2 pieces with similar electrical properties, but not the same appearance.	OB/WB	**55.00**
6L6GC	RCA logo, USA. NOS. Black anode. Sets of 2 that look the same.	OB	**140.00**
6L6GC	Russian, NOS. Alias 6L6GB or 6L6GT.	Most OB	**18.00** **10 @ 17.00** **100 @ 16.00**
6L6GC	Sylvania logo. NOS. Sets of 2.	OB	**60.00** **4 @ 50.00**
6L6GC **Grade One**	RCA logo, USA. NOS. Black anode. Shorter vintage version made in (we believe) the 1960s. Sets of 2 that look the same. Grade 1. Don't look new but look decent with good print and around 80percent emission. Electrical match pairs may be possible on request.	G1	**60.00** **4 @ 50.00**
6L6GC **Grade One**	Sylvania, Westinghouse & other USA made with logo. Test as Grade 1. Guaranteed. Supplied in sets of 2 pieces identical appearance.	G1	**40.00** **8 @ 30.00**
6L6GC USED	RCA logo, USA. Used, not new but tested, approximately 65 percent emission.	WB	**40.00** **8 @ 35.00**
6L6GC USED	Sylvania. Used tested between 60 and 80 percent emission. Sets of 2 the same appearance inside and outside	WB	**4 @ 25.00**
6L6GC USED	RCA USA. Used tested between 60 and 80 percent emission. Singles. None of these make sets of 2, this means that no 2 pieces look the same. We may be able to find 2 pieces with similar electrical properties but not the same appearance. All brown getters.	WB	**22.00** **4 @ 20.00**
6L6GC **USED**	Mixed USA brands. Used. Test only 50 percent emission.	WB	**27.00** **8 @ 25.00** **50 @ 23.00**
6L6GC / 6L6GT	Russian. Equivalent to Cyrillic 6N3C. NOS 1980s made. Matched pairs with less than 2 percent difference between the 2 tubes. Just 2	WB	**27.00** **8 @ 18.00**

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BILLINGTON EXPORT LTD

TYPE	COMMENT	BOX	£ GBP PRICE each
	examples from our stock: tube 1 is 64mA and 5.5mA/v, tube 2 is 63mA and 5.4mA/v.		100 @ 14.00
6L6GT	BILLINGTON GOLD. Please refer to 6L6GC for information.		
6L6WGA / 5932	USA, NOS. 5932 / 6L6WGA is the same as 6L6G but has high temperature base. Photo www.r-type.org/exhib/aaa0155.htm Data: Vh=6.3, Ah=0.9, Va=350, Vs=250, Vg=-18, mAa=54, mAs=2.5, ra=33K, gm=5.2, 11W.	WB	25.00 6 @ 22.00
6L6WGB	Please refer to 5881 exact equivalent.		
6L6WGC	Please refer to 5881 exact equivalent.		
6L6Y	Please refer to **6L6**		
6L7	USA NOS black metal, RCA Kenrad etc Data: Vf=6,3V, If=300mA, Va=250V, Ik=3mA More data http://tubedata.itchurch.org/sheets67.html	OB/WB	2.75 20 @ 2.50 100 @ 1.75 250 @ 1.50
6L7G	West European/North American brands including Fivre and Sylvania. Distant relation to 6L6G.	OB/WB	4.50
6L7GT	Fivre Italy made NOS. Potential audio type. Distant relation to 6L6G.	OB	4.30 6 @ 4.00 100 @ 3.70
6LB6	USA NOS compactron. 6LB6 may successfully replace 6JS6C. You may need to add 20 pF capacitor, in series with the variable neutralization capacitor. It is up to YOU to research this on the internet. We cannot advise on technicalities on this one. Data: http://www.tubedata.info/ if you have difficulty please contact our office.	OB/WB	15.00
6LB6 USED	USA. Used, tested. Decent appearance. Guaranteed. 12 pin pentode.	WB	7.50
6LF6 / 6LX6	These are 6LX6 plug in replacement for 6LF6 USA or Japan. NOS. Only 1 or 2.	OB/WB	65.00
6LF6 / 6LX6 USED	These are 6LX6 plug in replacement for 6LF6 for USA or Japan. Used, tested, working. Guaranteed. decent appearance.	OB/WB	25.00 8 @ 20.00
6LQ6	USA / Japan. NOS. Same price for retail or wholesale on this item. Several pieces in stock.	OB/WB	45.00
6LQ6 USED	USA / Japan. Used, tested. 10 or more usually in stock.	WB	16.00
6LQ6 Grade One	USA brands. Several pieces in stock.	G1	20.63
6LQ8	USA manufacture including RCA, GE.	OB/WB	28.00 6 @ 27.00
6LX6	USA / Japan. NOS. Same price for retail or wholesale on this item.	OB/WB	32.00 4 @ 25.00
6LX6 USED	USA / Japan. Used, tested.	WB	16.00 4 @ 12.50
6M5	UK/USA NOS. Good quantities in actual physical stock. Please enquire.	Most OB	POA
6N1P	Please refer to 6H1P.		
6N2P / 6H2pi	These are Chinese or Russian 6N2P/6H2pi. Equivalent to ECC41 6AX7. Suitable for Fatman audio amplifiers. New Clean. Near equivalent to ECC83, but slightly different pin out. The triodes work in series only from pins 4 and 5. There's no centre filament tap at pin 9 as in ECC83. Data Vf=6.3V, If=750Ma, Va=300V, Ik=45Ma, S=11Ma/V. More data http://frank.pocnet.net and look for the 6N2 section. More data in block 345 of Vade Mecum. **Near offers welcome if buying 100 pieces or more.**	WB	3.00 4 @ 2.67 100 @ 2.00 300 @ 1.75
6N6P / 6H6π	Linear double triode. Has similarities to E182CC and 3A167M but has different pinout. Made in "Souz" military plant, Russia.	WB	POA

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TYPE	COMMENT	BOX	£ GBP PRICE each
	Refer to 6H6P for our stock.		
6N7	Kenrad, RCA, Westinghouse, USA. NOS black metal.	OB/WB	**5.00** **10 @ 4.00** **40 @ 3.50**
6N7C	Russian manufacture. Please refer to **6BG6G**. [NB - 6N7C is not similar to 6N7G].		
6N7G	UK or West European made. NOS.	OB/WB	**30.00**
6N7G	USA NOS.	OB/WB	**15.00**
6N7G USED	Mullard UK NOS.	OB/WB	**17.00**
6N7GT	Russian, OTK logo. NOS, vintage guaranteed. Similar to 6SN7GT. 6SN7 and 6N7 are both octal base. 6N7 has only one cathode. Data: 6SN7 = Vf = 6.3V, If = 600 mA, Va = 250V, Ia = 10 mA, gm = 2.6mA/V, Pa = 2.5W. 6N7GT = Vf = 6.3V, If = 800 mA, Va = 250V, Ia = 3 mA, gm = 1.5mA/V, Pa = 5.5W More data for both types www.tubedata.org **Please note that these are 6N7 not 6SN7.**	OB	**4.00** **5 @ 2.50** **100 @ 1.25** **500 @ 1.10**
6N7GT	USA NOS	OB/WB	**7.00**
6P5G	USA NOS	OB/WB	**15.00**
6P5GT	USA NOS	OB/WB	**15.00**
6P13S	These are new Chinese 6P13P, equivalent to 6P13S. They're partly similar to EL36 but different pin out. Data http://tubedata.itchurch.org/sheets64.html	OB/WB	**2.00** **50 @ 3.50**
6P25	Mazda UK. NOS. 2 pieces look the same. GBP 50.00	OB/WB	**50.00**
6P25	Mazda UK. NOS. 2 pieces don't look the same (differed print etc) GBP 50.00	OB/WB	**40.00**
6P25 **Grade One**	Mazda, UK. Test as grade one. Not new appearance. Is near equivalent to EL33, KT61. Guaranteed.	G1	**30.00**
6P26	Mazda logo UK NOS. Many similarities to audio pentode such as to EL33, KT61.	OB/WB	**15.00** **4 @ 14.00**
6P28	Mazda logo, UK NOS.	OB/WB	**15.00** **25 @ 12.00**
6P28 **Grade One**	Mazda logo, UK Grade One	G1	**8.00** **16 @ 6.00**
6Q7G	Brimar UK NOS. Military print CV587. 6Q7G is similar to half of an ECC83. 6Q7G is a single triode with octal base.	GB	**12.00** **10 @ 11.00** **30 @ 10.00**
6Q7G **Grade One**	Brimar UK CV587. Unused. In the original military crates. These look new but some test at 80 percent emission, some have the glass SLIGHTLY "off centre". Will work fine in your amplifier.	GB	**9.00** **10 @ 8.00** **60 @ 7.00**
6Q7G / DH63	These are DH63 MOV / Marconi / Osram. UK NOS. Shoulder shape. Several different appearances (metal base, black base, etc). Supplied in sets of 2 or 4 pieces of identical brand/identical appearance.	OB/WB	**15.00** **4 @ 12.50** **25 @ 10.00**
6Q7GT	USA NOS. 6Q7GT is similar to half of an ECC83. 6Q7GT is a single triode with octal base.	OB/WB	**5.00**
6Q7GT	Brimar UK, MOV / GEC UK. NOS.	OB/WB	**8.00**
6R7	USA NOS. black metal. Various brands.	OB/WB	**2.50**
6R7G	12 Sylvania, 12 Westinghouse, 30 other USA NOS. Audio triode. USA made. All with logo. 6R7G is an octal based triode with double diode. An audio tube approximately equivalent to half of a 6SN7. Data http://tubedata.itchurch.org/sheets68.html	Mostly OB	**3.40** **10 @ 3.00** **50 @ 2.75**
6R7GT	12 Visseaux France, 12 Hytron USA, 12 Kenrad USA, 12 Sylvania, 12 Westinghouse, 100 other USA NOS. Audio triode. 6R7GT is an octal based triode with double diode. An audio tube approximately equivalent to half of a 6SN7. Data http://tubedata.itchurch.org/sheets68.html	Mostly OB	**3.40** **10 @ 2.80** **150 @ 2.75**

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TYPE	COMMENT	BOX	£ GBP PRICE each
6S4A	Sylvania green logo, USA. NOS. A B9A audio triode, similar to half of a 122AT7 / ECC81. Data http://tubedata.itchurch.org/sheets69.html	OB/WB	7.00 20 @ 5.50 100 @ 3.50
6SA7	Amperex/Sylvania/Westinghouse/other USA NOS.	OB/WB	2.40 10 @ 2.20 100 @ 2.00
6SB7	UK/USA NOS. Good quantities in actual physical stock. Please enquire.	Most OB	POA
6SC7	Kenrad/GE/RCA, NOS USA made. Octal double triode for audio. Some similarities to 6SN7.	OB/WB	15.00
6SC7 Grade One	USA made, black metal. Used, but look decent & test strong. G1 box.	G1 box	11.00 25 @ 9.00
6SC7GT	6SC7GT or 6SC7GTY, Tung-Sol USA NOS, most with logo. USA made. Tested.	Most OB	26.00
6SD7GT	USA NOS.	OB/WB	3.00 10 @ 2.40
6SF5	USA NOS with logo. Black metal. Mix brands including RCA, Sylvania & Tung-Sol. Audio triode.	WB	4.00 6 @ 2.80 100 @ 2.10
6SF7	Black metal, octal base audio triode with SOME similarity to 6J5G. Data: Vf=6.3V, If=300ma, Va=250V, Ik=12mA, S=2mA/V. USA NOS including Sylvania.	OB/WB	4.50 10 @ 3.40 70 @ 3.00
6SF5GT	USA NOS. Audio triode. Usually available.	OB/WB	6.00
6SF5GT	USA NOS with logo. Mix of brands including RCA, Sylvania & Tung-Sol. Audio triode.	OB/WB	8.50 60 @ 6.50
6SG7	50 x GE, 50 x RCA, 50 x Kenrad. NOS. 6SG7 has similarities to EF86 but 6SG7 is octal base. More data on request.	Most GVT	4.00 5 @ 3.33 200 @ 3.20
6SG7Y	RCA logo USA NOS. 6SG7 has similarities to EF86 but 6SG7 is octal base. More data on request.	GVT	4.00 5 @ 3.33 200 @ 3.20
6SH7	RCA or Kenrad. Logo USA. Black metal. New, unused but small specks of rust on the metal due to long-time storage. Hence half price, audio pentode.	GVT	2.00 12 @ 1.34 50 @ 1.25
6SH7GT USED	USA. GT glass. Used, tested, working.	WB	3.00
6SJ7	USA, NOS with logo. Black metal. Kenrad GE USA NOS.	OB/WB	4.30
6SJ7	RCA USA, NOS with logo. Black metal.	OB/WB	5.00
6SJ7 Grade One	Kenrad, RCA or other USA. Used, do not look new, small spots of rust. Tested, guaranteed.	GB	3.00 10 @ 2.50 100 @ 2.00
6SJ7GT	Chinese, straight side GT shape.	WB	5.00 10 @ 4.00
6SJ7GT	NOS. Believed to be Japanese.	WB	11.00
6SJ7GT	Hytron, Raytheon, RCA, Sylvania & other USA NOS with logo. Tested, guaranteed. Sets of 2 the same appearance.	OB	14.00 10 @ 11.50 20 @ 8.50
6SJ7GT USED	USA with logo, tested guaranteed. Good print, but do not look new. Tung-Sol, Raytheon, Hytron, Sylvania, RCA, all USA made. We try to supply all one brand but print style varies. Some metal base, some black base, some silver anode & some grey anode.	WB	10.00 5 @ 7.00 16 @ 6.00
6SJ7GT Grade One	20 pieces. Raytheon logo USA. Probably NOS (NOS) but the metal in the base has slightly dull colour due to long-time storage, hence reduced price. Tested/guaranteed. Sets of 4 or more of the same appearance.	G1	10.00 20 @ 8.00
6SJ7Y	RCA USA.	GVT	3.00
6SK7	Please see 6SK7/WA exact equivalent.		
6SK7 / 6137	These are 6137 equivalent to 6SK7.	Colourful	5.00

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TYPE	COMMENT	BOX	£ GBP PRICE each
	GE 5 star logo. NOS and clean. Audio pentode.	OB	20 @ 4.00 100 @ 3.00
6SK7GT	Chinese new guaranteed. Audio pentode. Some similarities to EF86. Data same as 6SK7W USA below.	WB	2.40 15 @ 1.20 50 @ 1.10
6SK7W	RCA and Kenrad, USA NOS with logo and Guarantee. Remote cut off broadband audio pentode. Partly similar to EF86. Data tubedata.itchurch. Vf=6.3V, If=300mA, Va=250V, Ik=10mA, S=2mA/V.	Mostly OB	4.00 5 @ 3.00 400 @ 2.20
6SK7WA	RCA, GE, USA NOS with guarantee. For information, data/photos, please refer to the 6SK7W RCA section, above.	Mostly OB	4.00 5 @ 3.00 400 @ 2.20
6SL7GT	BILLINGTON GOLD. Russian or Chinese manufacture. With guarantee. NOS, clean and tested to special standard. Great audio quality.	OB	9.00 50 @ 8.00
6SL7GT / CV1985	Brimar UK made. NOS. Clear glass, tested/guaranteed. Usually available.	OB/WB	62.00 4 @ 60.00
6SL7GT	RCA, logo USA, NOS. In groups of 2 pieces the same appearance. All with logo, USA made NOS. Tested, guaranteed.	Most OB	25.00 10 @ 22.00
6SL7GT	CV1985 Brimar UK made. NOS. Clear glass, tested/guaranteed. Usually available.	OB/WB	60.00 4 @ POA
6SL7GT	China, new, tested, guaranteed. Deduct 25p if you accept bulk pack not WB.	OB/WB	5.50 50 @ 4.40
6SL7GT	GE silver anode USA made. NOS. Tested/guaranteed with logo.	OB/WB	24.00
6SL7GT	Kenrad USA made. NOS. Tested/guaranteed with logo.	OB/WB	22.00 4 @ 20.00
6SL7GT	National Union, grey or black glass with logo. USA NOS. In sets of 2 of the same appearance. All with logo, USA made NOS. Tested, guaranteed.	OB/WB	32.00 4 @ POA
6SL7GT	National Union, clear glass with logo. USA NOS. All with logo, USA made NOS. Tested, guaranteed.	OB/WB	20.00
6SL7GT	RCA logo, USA NOS. Grey glass. In SETS OF 2 the same appearance. All with logo, USA made NOS. Tested, guaranteed.	OB/WB	32.00 4 @ POA
6SL7GT	RCA logo, USA NOS. Clear glass. All with logo, USA made NOS. Tested, guaranteed.	OB/WB	24.00 4 @ POA
6SL7GT	RCA logo, USA NOS. Short base. All with logo, USA made NOS. Tested, guaranteed.	OB/WB	17.00
6SL7GT	Russian. NOS. Deduct 25p if you accept bulk pack not WB.	OB/WB	8.00 70 @ 7.00
6SL7GT	Tung-Sol. Black glass USA NOS.	OB/WB	50.00
6SL7GT	Tung-Sol black glass VT229 with logo, USA made NOS. Tested, guaranteed.	Most OB/WB	46.00
6SL7GT	USA made. NOS. Tested/guaranteed with logo. GE, RCA, Tung-Sol & Sylvania usually available.	OB/WB	20.00
6SL7GT	USA. NOS. Tested/guaranteed with logo. These are mixed appearance, some full size base, and different anode colours. Due to mixed appearance they are reduced price. Brands include Raytheon, Westinghouse, GE, RCA, Tung-Sol USA & Sylvania. **No 2 pieces are of the same appearance.**	OB/WB	13.00 8 @ 11.00 24 @ 10.00
6SL7GT / VT229	Sylvania USA NOS with logo. Includes silver foil getter version, chrome tops, VT229 and D getter version.	GBox	32.00 4 @ POA
6SL7GT Grade One	**CV1985** Brimar UK made. Clear glass, tested as grade 1, guaranteed.	G1	40.00
6SL7GT Grade One	RCA/Sylvania, USA with logo. Tested as Grade One.	G1	9.50
6SL7GT USED	USA brands. Sylvania, Kenrad, Raytheon and Westinghouse with	WB	7.00

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TYPE	COMMENT	BOX	£ GBP PRICE each
	logos. Used, not new appearance but tested and guaranteed.		
6SL7WGT	10 x RCA, 10 x Sylvania. In sets of 2 or 4 of the same appearance. All with logo, USA made NOS. Tested, guaranteed.	OB/WB	**28.00** **10 @ 26.00** **20 @ 24.00**
6SN7GT	BILLINGTON GOLD logo. Russian NOS. We've received very positive reports from audio customers using this in amplifiers. High audio quality and product reliability. Tested within very tight limits. Guaranteed.	OB	**12.00** **8 @ 11.00**
6SN7GT	Brimar logo UK NOS. **White logo**. Tested, guaranteed. Clear glass.	OB/WB	**110.00** **4 @ 100** **8 @ 90.00**
6SN7GT	Brimar logo made by Fivre in Italy. NOS Tested, guaranteed. When available approximately GBP 70.00	OB	**POA**
6SN7GT	Brimar logo UK NOS. **Red logo**. Tested, guaranteed. Clear glass.	OB	**140.00** **4 @ 135.00**
6SN7GT	Brimar UK NOS. KB/FE version. Tested, guaranteed. Black glass. 4 pieces look the same	OB/WB	**330.00** **4 @ 320.00**
6SN7GT	Brimar UK NOS. KB/FE version. Tested, guaranteed. Black glass. 2 of the same appearance, but not a matched pair, electrically.	OB/WB	**360.00** **4 @ 340.00**
6SN7GT	Brimar UK NOS. KB/FE version. Tested, guaranteed. Black glass. 2 of different appearance (anode colour, height, top mica may vary), but electrically are a matched pair.	OB/WB	**330.00** **4 @ 310.00**
6SN7GT	CBS-Hytron logo USA made vintage NOS with logo. Tested and guaranteed. Sets of 2 identical appearance.	OB/WB	**42.00** **4 @ 40.00**
6SN7GT	CBS-Hytron logo. USA NOS. Tested/guaranteed.	OB/WB	**31.00** **10 @ 29.00**
6SN7GT	Mullard, logo, UK. NOS. Rare. If available approximately GBP 175 wholesale price.	OB/WB	**POA**
6SN7GT	RCA logo USA. NOS. Some are 1950s silver print.	Mostly OB	**32.00** **8 @ 30.00**
6SN7GT	RCA logo USA NOS tested & guaranteed. Grey smoked glass.	OB/WB	**45.00** **8 @ 40.00**
6SN7GT	Russian NOS guaranteed. These are Sovtek style (grey anode, clear top). At the time of writing we have some Sovtek logo, some OTK logo & some plain print.	OB/WB	**12.00** **Bulk @ POA**
6SN7GT	Sylvania "Bad boy" version. Bad boy has: □ 3 holes in the black T anode (most people agree that 2 hole version is acceptable). □ Top mica with 3 small triangular edges, bent down, on each side. □ Date code 1xx, 2xx or 3xx, meaning 1951, 1952, 1953. □ Full-size black base with green Sylvania or JAN CHS logo. □ Copper grid posts. Shiny rectangular mica. Guide price GBP60 wholesale.	OB/WB	**POA**
6SN7GT	Tung-Sol logo. Genuine USA made NOS, but not round plates.	OB/WB	**31.00**
6SN7GT	Tung-Sol logo in silver on black. Round plate USA NOS. Black glass 1940s made. Guide price GBP275 wholesale. Please enquire.	OB/WB	**POA**
6SN7GT	USA NOS, National Union. Logo, tested. Guarantee.	WB	**42.50**
6SN7GT	USA NOS with logo and guarantee. 8 x Kenrad. Sets of 2 identical appearance.	OB/WB	**42.00** **8 @ 40.00**
6SN7GT	All USA made. NOS tested, clean. Guaranteed with logo. In sets of 2 or more. GE, Raytheon & Sylvania.	OB/WB	**28.00** **Bulk @ POA**
6SN7GT **Grade One**	Brimar logo UK. Sets of 2 pieces, identical appearance. Tested as Grade 1. 80 percent emission, good appearance, not new appearance. Guaranteed. Clear glass version.	G1	**110.00** **8 @ 90.00**
6SN7GT USED	Brimar logo / KB-FE, UK made. Used, tested and guaranteed. Clear glass. 2 of the same appearance, but not a matched pair electrically.	WB	**80.00** **4 @ 65.00** **8 @ 55.00**

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TYPE	COMMENT	BOX	£ GBP PRICE each
6SN7GT USED	Brimar logo / KB-FE, UK made. Used, tested and guaranteed. Black glass. 2 of the same appearance & slightly similar test figures (emission etc) but not a matched pair.	WB	**150.00**
6SN7GT USED	RCA logo USA. Tested as used, not new but emission is 65 percent plus. Grey smoked glass.	WB	**25.00** **4 @ 20.00**
6SN7GT USED	Telefunken originals logo. 1 only used. Tests around 75 percent emission. Guaranteed with logo. Not new but decent appearance. Near offers considered.	WB	**1 @ 145.00**
6SN7GT USED	All USA made. Used, test at 65-75 percent emission, clean. Guaranteed with logo. In sets of 2 or more. 8 x GE, 12 x Raytheon, 8 x Sylvania, 4 x Tung-Sol USA.	WB	**14.00** **Bulk @ POA**
6SN7GT / 6N7GT	Russian, OTK logo. NOS, vintage with guarantee. Similar to 6SN7GT. 6SN7 and 6N7 both octal base. 6N7 has only one cathode. **Data 6SN7 =** Vf = 6.3V, If = 600 mA, Va = 250V, Ia = 10 mA, gm = 2.6mA/V, Pa = 2.5W. **6N7GT =** Vf = 6.3V, If = 800 mA, Va = 250V, Ia = 3 mA, gm = 1.5mA/V, Pa = 5.5W. More data for both types www.tubedata.org **Please note that these are 6N7 not 6SN7.**	OB	**4.00** **5 @ 2.50** **100 @ 1.75** **200 @ 1.20** **1,500 @ 1.00**
6SN7GTA	RCA NOS. Currently out of stock, please enquire.	OB	**POA**
6SN7GTA	GE, Raytheon, 16 Sylvania & 8 Westinghouse with logo. Made in USA. NOS, tested, clean. Guaranteed. Full size base. In sets of 2, possibly 4 or 8 of the same appearance.	OB/WB	**27.00** **8 @ 25.00** **24 @ 23.00**
6SN7GTA	Telefunken original logo. Made in West Germany. 1 only NOS. Tested as new. Guaranteed. Only 2 in stock today, but a chance of another one arriving soon.	WB	**325.00**
6SN7GTA USED	USA made. Used, test at 65-75 percent emission. Guaranteed with logo. In sets of 2 or more. Not new but decent appearance. 12 Sylvania, 24 Westinghouse, 12 GE, 16 RCA.	WB	**12.00** **64 @ 10.00**
6SN7GT / VT231	USA VT231. NOS with logo and guarantee. 6 Raytheon & 6 RCA.	OB/WB	**62.00** **6 @ 60.00** **12 @ 58.00**
6SN7GT / VT231	USA made NOS Sylvania.VT231. Please ask about VT231 National Union & Tung-Sol.	WB	**52.00** **4 @ 50.00**
6SN7GT / VT231	USA NOS, Kenrad VT231. Logo, tested. Guarantee.	WB	**140.00** **4 @ 125.00**
6SN7GT / VT231	USA NOS, National Union, when available. Might be approximately GBP140.00 if available.	OB/WB	**POA**
6SN7GT / VT231	USA VT231. NOS with logo, guarantee. Tung-Sol, L round anode.	OB/WB	**275.00**
6SN7GT / VT231	USA Sylvania VT231. NOS. Green logo, Bad Boy construction.	WB	**100.00** **4 @ 90.00**
6SN7GT / VT231 USED	Kenrad USA made. Test only 50 percent emission.	WB	**60.00**
6SN7GT / VT231 USED	Sylvania USA. VT231. Tested.	WB	**26.00**
6SN7GT / VT231 USED	USA including Sylvania. VT231.green logo “bad boy” construction. Used, test around 65-75 percent emission.	WB	**50.00**
6SN7GTB	GE, Sylvania, Raytheon, Westinghouse, NOS with logo. Most full size base. In sets of 2 or more of the same appearance. 2 or more tall size, 2 or more shorter, 2 or more grey anode, 2 or more black anode etc	OB/WB	**28.00** **12 @ 25.00** **30 @ 24.00**
6SN7GTB	Raytheon USA, Tung-Sol & Westinghouse. All USA NOS with logo, except Toshiba Japan. All tested with logo/guaranteed.	Mostly OB	**28.00**
6SN7GTB	Raytheon logo. Made in Japan by Toshiba. Grey anode. NOS, tested, clean. Guaranteed.	OB/WB	**32.00** **4 @ 31.00**
6SN7GTB	Raytheon logo. Made in Japan by Hitachi. Black anode.	OB/WB	**32.00**

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TYPE	COMMENT	BOX	£ GBP PRICE each
	NOS, tested, clean. Guaranteed.		4 @ 31.00
6SN7GTB	RCA logo. USA NOS. Tested/guaranteed.	OB	30.00 8 @ 27.00 100 @ 26.00
6SN7GTB	Tung-Sol logo. Made in USA. NOS, tested, clean. Guaranteed.	OB/WB	25.00
6SN7GTB Grade One	RCA logo. USA. 6SN7GT/ 6SN7GTB. Grade One. Guarantee.	G1	22.00 Bulk @ POA
6SN7GTB Grade One	Sylvania. Westinghouse etc. Grade One. Tested, logo, guarantee.	G1	18.00
6SN7GTB USED	RCA logo. USA. Used, tested, decent appearance. Guaranteed. Enquire about bulk quantities.	WB	12.00 36 @ 9.50
6SN7GTB USED	All USA made. Used, test at 65-75 percent emission, clean. Guaranteed with logo. In sets of 2 or more. 12 GE and 6 or more of each of the following: Raytheon, Sylvania, Tung-Sol, Westinghouse.	WB	12.00 36 @ 10.00 Bulk @ POA
6SN7GTY	Please refer to **6SN7GT.**		
6SN7W	Sylvania-JAN. USA NOS. Black base. 2 look the same. NOS and tested.	OB/WB	105.00
6SN7W	Sylvania USA with logo. NOS. Metal base. Guide price GBP150.00.	Most GB	POA
6SN7WGTA	Sylvania. NOS. 4 pieces. Tested with logo.	OB/WB	48.00 4 @ 35.00
6SN7WGTA USED	Raytheon, Sylvania, Tung-Sol. 2 pieces of each. Tested with logo. Used but test and look near new.	WB	24.00 6 @ 18.00
6SN7WGT	Sylvania yellow logo, light brown base, black anode. Tested. Estimate 1960s made. Original box slightly scruffy. Sylvania Military grade, black plates. 4 pieces same appearance. **Matched pair maybe possible.**	OB	45.00 4 @ 40.00
6SN7W / 6SN7A Grade One	These are 6SN7A metal base. Equivalent to 6SN7W. Sylvania logo USA made. Estimated 1940s or 1950s made. Grade one, meaning test near new, decent appearance, but not new appearance.	1 only G1	110.00
6SN7W Grade One	Sylvania, GE or similar USA made. Black/brown base. Grade one meaning good used. Tested approximate 80 percent emission. Decent appearance. We might find 2 pieces that look the same or 2 pieces with similar electrical current.	G1	80.00 2 @ 75.00
6SN7W	Sylvania, GE or similar USA made. Black/brown base. Used, decent appearance, tested around 65 percent emission. We might find 2 pieces that look the same, or 2 pieces with similar electrical current.	WB	55.00 4 @ 50.00
6SQ7	USA NOS.	OB/WB	6.00
6SQ7	China new. Clean and guaranteed.	OB/WB	4.00 30 @ 3.00
6SQ7GT	Japanese NOS. Most ITT, few Raytheon. 6SQ7GT is similar to half an ECC83. 6SQ7GT is 2 diodes and single triode with octal base. ECC83 is a B9A base double triode.	OB/GVT	7.00 4 @ 6.00 50 @ 4.00
6SR7	25 RCA, 6 Kenrad, 10 Sylvania & 100 other USA brands. USA NOS Guaranteed. Data tubedata.itchurch	Mostly OB	3.00 10 @ 2.40 100 @ 2.00
6SR7	Made in West Europe or USA, NOS. We have good quantities in stock. Please enquire.	Most OB	POA
6SS7	RCA USA NOS. Black metal.	GVT	3.50 20 @ 3.00
6SU7GT	Tung-Sol logo USA NOS round plate. Usually available at GBP40 wholesale.	OB/WB	POA
6T4	Hewlett/Tung-Sol. UK/USA NOS. Good quantities in stock. Please enquire.	Most OB	3.00 Bulk @ POA
6U4GT	Brimar or mixed. UK/USA NOS. Good quantities in stock. Please enquire.	Most OB	3.00 Bulk @ POA
6U4GT	Made in USA. NOS. Good quantities in actual physical stock. Please enquire.	OB/WB	40 @ POA

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TYPE	COMMENT	BOX	£ GBP PRICE each
6U5G	West European 8 pin version. The USA made 6 pin version is a higher price.	OB/WB	**16.00**
6U7G	Sylvania USA NOS. ST shape. RF pentode with possible audio applications.	OB/WB	**4.00** **21 @ 3.20** **300 @ 3.00**
6U8A	Telefunken logo <> NOS.	OB	**32.00** **4 @ 28.00**
6U8A	10 x GE, 10 x RCA and 10 x Westinghouse USA manufacture. Quantities correct at January 2025.	OB/GVT	**5.00** **50 @ 4.60**
6U8A USED	Telefunken logo <> tested, guaranteed.	WB	**24.00** **5 @ 20.00**
6U8A / ECF82	Tungsram made in Hungary. Useful audio tube. Data on request. Many have colourful OB. This tube replaces 7199 by fitting an adapter. We can advise you suppliers of adapters.	OB/WB	**4.00** **20 @ 3.20** **150 @ 2.75**
6U8A / PCF806	These are PCF806 Mullard or Mazda logo UK NOS. Good quality triode pentode. These PCF806 are partly similar to ECF82 / 6U8A, similar data for low voltage operation but different pinout. A useful potential audio type as the two sections are independent, but they are relatively low volts, 160 volts gives 2 watts of power, so they're ideal for a headphone amp. Data www.r-type.org/exhib/aai0100.htm	OB	**5.00** **10 @ 4.00** **100 @ 3.00** **400 @ 2.50**
6V3A	West European/North American brands including Sylvania, GE, GEC.	OB	**3.00**
6V6	USA NOS with logo, black metal. RCA, Ken-Rad, Sylvania etc. In sets of 2 pieces of the same appearance.	OB/WB	**16.00** **10 @ POA**
6V6 **Grade One**	USA test as grade one. Black metal. In sets of 2 pieces of the same appearance. Kenrad, RCA, GE, Raytheon, other USA brands. Matched pairs may be possible. Do not look new but look decent and guaranteed.	G1	**11.00** **16 @ 8.00** **30 @ 5.50**
6V6 USED	RCA logo and other USA. Black metal. Used not new appearance but tested and guarantee.	OB/GVT	**8.00** **10 @ 6.50** **32 @ 5.50**
6V6	Please refer to 6F6G near equivalent.		
6V6G	Brimar logo. UK made. NOS. Shouldered shape. Sets of 2 pieces identical appearance.	OB/GB	**70.00** **4 @ 42.00**
6V6G	GEC UK made NOS. Grey glass. 4 pieces the same appearance. Shouldered shape.	OB/GB	**70.00**
6V6G	Fivre made. NOS. Made in Italy using RCA tools and RCA collaboration. Brown base, grey glass. When available 37.50 GBP.	WB	**POA**
6V6G	Mullard UK NOS, with logo. Tested and guaranteed. Not in sets of 2 pieces identical appearance, ie singles.	WB	**52.00**
6V6G	RCA SYLV or other USA /Canada made NOS. Tested and guaranteed. In sets of 2 pieces identical appearance.	WB	**35.00**
6V6G **Grade One**	Brimar/Westinghouse/Cossor and others. Tested as Grade One.	G1	**POA**
6V6G **Grade One**	Mullard UK with logo. Tested and guaranteed. Not in sets of 2 pieces identical appearance, ie singles. Good appearance, 80 percent emission.	G1	**40.00**
6V6G USED	Brimar UK made. These are used, tested and guaranteed.	WB	**35.00**
6V6G USED	French made. These are used, tested and guaranteed.	WB	**20.00** **4 @ 16.00**
6V6G USED	USA or Canada made. Used, tested and guaranteed. Singles, no 2 pieces are the same appearance. Therefore the price is reduced.	WB	**POA**
6V6G	Please refer to **6F6G** for a similar item/near equivalent.		
6V6G	Please see **KT74** for possible alternative, not equivalent.		
6V6GT	BILLINGTON GOLD. New tested guaranteed. USA.	OB	**POA**
6V6GT	Brimar logo, UK NOS, sets of 2 pieces identical appearance. Black glass. Tested guaranteed.	OB/WB	**37.50** **4 @ 35.00**

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TYPE	COMMENT	BOX	£ GBP PRICE each
			16 @ 33.00
6V6GT	Brimar logo, Russian made NOS. Tested, guaranteed, all look the same.	OB	12.50 20 @ 11.50
6V6GT	Hytron or CBS, USA NOS. When available are GBP28 wholesale.	OB/WB	POA
6V6GT	Japanese made NOS. Sets of 2 pieces of the same appearance & same brand.	WB	17.00 8 @ 15.00
6V6GT	Ken-Rad USA NOS. Black glass. Estimate 1950s made. Set of 8 pieces of the same appearance.	WB	30.00 16 @ 26.00
6V6GT	Mullard logo, UK NOS. Mixed appearance.	OB/WB	50.00
6V6GT	National Union, USA made NOS. Tested, logo and guarantee. Sets of 2 the same.	OB/WB	28.00 4 @ 26.00
6V6GT	RCA, USA. NOS. RCA silver logo, 1950s made. Smoked glass, black plates.	WB	28.00 Bulk @ POA
6V6GT	Russian made 6P6S 6П6C NOS.	OB/WB	11.00 8 @ 10.00 90 @ 8.00
6V6GT	Sylvania logo USA NOS.	OB/WB	23.00 32 @ 20.00
6V6GT	Tung-Sol logo, vintage made. USA NOS. When available are GBP8.00 wholesale.	OB/WB	POA
6V6GT	Please refer to 6AQ5 or 6005. These 3 valves are electrically equivalent except 6V6GT is octal base, 6AQ5 is B7G base.		
6V6GT	Please refer to **6F6GT** for a possible alternative, not equivalent item.		
6V6GT Grade One	Brimar logo, UK. Sets of 2 pieces identical appearance. Black glass. Tested & guaranteed as Grade 1.	G1	22.00 4 @ 21.00 16 @ 20.00
6V6GT USED	Tested guaranteed. USA made, with logo. Sets of 2 or 4 pieces identical appearance. Decent quality, but small cracks in the base hence reduced price. Brands include, Kenrad, Raytheon, Tung-Sol, others. All British USA made.	WB	7.00 Bulk @ POA
6V6GT USED	GE, Westinghouse, Raytheon and Sylvania. Plus mixed brands liked Delco, Zenith & Philco etc. All USA made, tested/guaranteed. None of these make sets of 2 of the same appearance, hence the low price.	WB	7.00 Bulk @ POA
6V6GT / 6P1	These are 6P1 Chinese, new guaranteed. They are near equivalent to 6V6GT except 6P1 has B9A base whereas 6V6GT has octal base. Data http://scottbecker.net/tube/sheets66.html Deduct 25p if you accept with egg crate / bulk pack instead of WB.	BP	2.20
6V6GT / 6761	These are 6761 B9A pentode by Eriksson Sweden. Gold pin logo NOS tested guaranteed. 6761 are fairly similar to 6V6GT but have different base. Data: http://www.tubedata.info/ if you have difficulty please contact our office. Short data: Vf 6.3, If 1A(1000mA), Va 140v, Ik 70mA, S 12mA/v, Pa 10W. 25 pieces in stock. 400 pieces available from our supplier.	OB	5.25 400 POA
6V6GTA	USA made, NOS tested guaranteed, GE logo. Ex-military. 25 pieces the same appearance. These have thin, coin base, also known as nude base.	OB	22.00
6V6GTA	USA made, NOS tested guaranteed, RCA logo. Ex-military. 40 pieces the same appearance. Thin base.	OB	22.00 8 @ 20.00 40 @ 17.00
6V6GTY	RCA logo USA NOS. Sets of 4 pieces of the same appearance. Clear glass. Ask re larger quantity.	Most OB	28.00 4 @ 27.00
6W4GT	Audio rectifier, made in USA or West Europe. NOS with logo. In sets of 4 or 8 more pieces of identical brand / construction. Data: http://www.tubedata.info/ if you have difficulty please contact our office.	OB/WB	2.50
6W6GT /	Sylvania, Tung-Sol, RCA, Westinghouse.	OB/WB	3.00

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TYPE	COMMENT	BOX	£ GBP PRICE each
6DG6GT	Audio tube, USA made NOS with logo. In sets of 4 or 8 more pieces of identical construction.		**8 @ 2.20** **100 @ 2.00**
6X4	Brimar logo, UK NOS. Black glass.	WB	**32.00**
6X4	Brimar yellow "T" label, UK NOS. Tested new - black anode. Ring getter, triple mica.	OB/WB	**100.00**
6X4	GEC UK NOS. GEC sticker or logo. O getter. Some are CV4005 print. 2 or 3 different constructions.		**63.00**
6X4	GEC sticker or Marconi logo. UK. NOS square / D getter.	GVT	**66.00**
6X4	GEC sticker UK NOS. CV4005 ring getter, black anode.	GBox	**62.00**
6X4	MWT Marconi logo. UK. NOS. Square / D getter. Black anode.	OB/WB	**60.00**
6X4	MWT Marconi logo. UK. NOS. Grey anode. O getter. More than 4 pieces may exist.	OB/WB	**62.00**
6X4	USA or Japan NOS. No Chinese, no USSR, no UK. Circle getter. Includes Mazda Japan.	OB/WB	**5.00**
6X4	USA specials. USA NOS with logo, tested guaranteed, D getter.	Most OB	**15.00**
6X4	USA NOS with logo, tested guaranteed, O getter. Raytheon, Sylvania, Westinghouse, Mazda. We will supply 5 pieces of the same brand, but the appearance is mixed, which is why they are cheap.	Most OB	**5.00** **20 @ 4.50**
6X4	USA specials. USA NOS with logo, tested guaranteed. D getter. 8 x Raytheon & 30 x RCA.	GB/WB	**15.00** **30 @ 13.00**
6X4	Various brands, special quality, some new, some used. All tested working. Some black anode, some D getter, some triple mica. 1 or 2 of each: Mullard UK, STC UK 3 mica, Mazda France, RT France, Ser Sweden, Osram, Marconi / MWT Italy.	OB/WB	**POA**
6X4	Various brands USA NOS with logo, tested guaranteed. 24 Westinghouse, 16 Sylvania, 24 RCA & 10 Tung-Sol.	GB/WB	**15.00** **6 @ 14.00** **24 @ 13.00** **50 @ 12.00**
6X4 **Grade One**	GEC sticker, square getter. Tests new but fairly small stains, decent appearance.	G1	**45.00**
6X4 **Grade One**	GEC Grade One. GEC sticker or MWT-Marconi logo UK. Possibly some D getter, some 3 mica & some U78.	G1	**55.00**
6X4 **Grade One**	GEC / Marconi UK. Circle getter. Tests new but small stains, decent appearance. We also have NOS GEC & Mullard at a higher price.	G1	**45.00**
6X4 **Grade One**	USA, Japan with logo, tested as Grade 1. Guaranteed, O getter. 10 pieces each of Sylvania, RCA, GE & Brimar foreign. We will supply 5 pieces of the same brand but the appearance is mixed, hence why they are cheap.	WB	**4.00** **15 @ 3.50** **50 @ 3.50**
6X4 **Grade One**	USA with logo, D getter. Tested as Grade 1.	Most OB	**15.00**
6X4 **Grade One**	USA specials. USA with logo, tested guaranteed. G1 appearance. D getter. 30 x Sylvania, 20 x Raytheon, 20 x RCA.	GB/WB	**12.00** **20 @ 11.00** **40 @ 10.00** **70 @ 9.00**
6X4 USED	Test used, look new. Tested working and guaranteed. Most look new. D getter. 16 x Sylvania, 10 x Raytheon, 70 x RCA.	GB/WB	**8.00** **10 @ 7.00** **70 @ 5.50**
6X4	Please refer to **6X5GT** for a very similar item with octal base (6X4 has a B9A base).		
6X4 / 6Z4	Chinese made. New tested guaranteed. These are 6Z4 B7G base. They are similar to 6X4 USA but 6X4 USA has pin 5 not connected, pin 6 is anode 2, pin 7 is cathode. 6Z4 Chinese made has, pin 5 cathode, pin 6 unconnected, pin 7 anode 2. 6Z4 are a bargain price, good quality alternative to 6X4 with different pinout. More data listed under 6Z4 Shuguang at http://tubedata.itchurch.org/sheets610.html	WB	**3.00**
6X4 / EZ90	Brimar logo, UK. NOS.	Most OB	**30.00** **4 @ 25.00**

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TYPE	COMMENT	BOX	£ GBP PRICE each
			20 @ 20.00
6X4 / EZ90	Mullard logo, UK. NOS.	Most OB	30.00
6X4 / GZ41	These are GZ41 NOS, Philips Miniwatt, or RTC made in Holland. Full wave rectifier. These GZ41 are similar to 6X4, but GZ41 heater is 5 V at 750mA. We have sockets in stock to fit GZ41 - B8A Rimlock. Data in English from our office.	Most OB	7.00 4 @ 6.00 100 @ 5.00 300 @ 4.00
6X4 / EZ90 Grade One	10 pieces Brimar logo UK, 5 pieces Mullard, logo UK. Tested as Grade 1 (used but tested 80 percent emission, decent appearance, good print etc). Most are D getter.	G1	22.00 10 @ 18.00
6X5G	MOV UK / Mullard UK NOS. Sometimes available.	OB/WB	120.00
6X5G	USA. NOS. Shouldered ST shape. Please enquire about brands. Tested/guaranteed. Higher price for d-getter, black anode etc.	OB/WB	50.00
6X5G Grade One	6 MOV UK, 4 Mullard UK Grade 1.	G1 box	75.00 4 @ 70.00 10 @ 65.00
6X5G USED	MOV UK or Mullard UK. Used, tested.	WB	60.00
6X5GT	Bendix made, sometimes available. Price approx. GBP 95.00		POA
6X5GT	Brimar logo, Russian. NOS, clean, uniform guaranteed. GT shape glass. Octal full wave rectifier [double diode]. Similar to EZ81and 6X4 but different base. Data Vf 6.3V, If 600 mA, Va 325V, Ik 70 mA. Data www.tubedata.org	OB/WB	6.00 50 @ 5.00
6X5GT	Brimar logo, UK NOS. GT shape. Enquire re bulk quantity.	OB/WB	21.00
6X5GT	USA NOS with logo tested guaranteed. GT shape glass. Audio full wave rectifier. Similar to EZ81 but octal base. Good quantities of RCA black anode, Sylvania chrome top, GE, KenRad, Tung-Sol and maybe 1 or 2 Fivre.	Most OB	15.00 24 @ 10.00 30 @ POA
6X5GT	Russian Scoba logo. NOS, clean, uniform guaranteed. GT shape. Octal full wave rectifier [double diode]. Similar to EZ81and 6X4 but different base. Data: Vf 6.3V, If 600 mA, Va 325V, Ik 70 mA.	GVT	4.50 20 @ 3.50 100 @ 2.75 300 @ 2.50 1,000+ @ POA
X5GT / EZ35	Mullard logo, NOS. Made in Blackburn UK. These EZ35 / 6X5GT are a fantastic rectifier. These are very rare. Made with an early D getter.	OB/WB	50.00
6X5GT / 6X5WGT	Raytheon, Sylvania or Tung-Sol USA made. NOS with logo. Tested, guaranteed.	OB/WB	22.00
6X5GT / EZ35	Mullard logo. Used, not new appearance, but tested with good print and decent appearance. Made in Blackburn UK. These EZ35 / 6X5GT are a fantastic rectifier. Some are D getter.	WB	50.00
6X5GT / EZ35 USED	Mullard logo. Used, not new appearance, but tested with good print and decent appearance. Made in Blackburn UK. These EZ35 / 6X5GT are a fantastic rectifier. Most are D getter.	WB	25.00
6X5GT / EZ35 USED	Brimar logo. Used, not new appearance, but tested with good print and decent appearance. Made in UK.	WB	10.00
6X6	CBS USA NOS. Octal base, magic eye tube. Similar to European made 6E5GT (octal-base 6E5) also similar to Y63 and Y65 eyes work too. Very rare to find originals 6X6 like this.	OB/WB	50.00 4 @ 40.00
6Y6G	USA NOS. GE, Sylvania, Kenrad. This octal audio pentode has similarities to 8417.	OB/WB	5.00 5 @ 4.50 60 @ 4.00
6Y6G Grade One	Various brands USA manufacture. Grade One.	G1	3.50
6Y6GA	USA NOS.	Most GB	3.50 30 @ 3.00
6Y6GT GE	GE. USA. NOS. This octal audio pentode has similarities to 8417.	Most OB	6.00 4 @ 4.00 60 @ 3.00
6Z19	These are Chinese 6Z19. They are believed equivalent to EY81.	BP	2.00

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TYPE	COMMENT	BOX	£ GBP PRICE each
	B9A base. This TV rectifier can rectify lower voltages in power-supplies for audio equipment. Data sheet on request. Please add 0.25GBP per tube if white box required.		**10 @ 1.50** **200 @ 1.00**
6Zh2B-V / **6Ж2Б-В**	Mint condition. A wire ended, sub miniature pentode, Russian. Photo/free sample on request. On our computer as **6*26B**.	GVT/WB	**4.00** **50 @ 2.00**
7A5	UK/USA NOS. Good quantities in actual physical stock. Please enquire.	Most OB	**2.50**
7A6	UK/USA NOS. Good quantities in actual physical stock. Please enquire.	Most OB	**2.50**
7B7	USA / UK brands NOS.	OB/WB	**16.00** **5 @ 15.00**
7C5	USA brands NOS. Near equivalent to 6V6GT but different base. 7C5 is loctal base.	OB/WB	**7.00** **20 @ 6.00** **50 @ 5.00**
7D10	Please refer to **6CH6.**		
7F8	Audio double triode, SOME similarities to 6SN7GT, but 7F8 has loctal base. USA (NOS). Data: http://www.tubedata.info/ if you have difficulty please contact our office & https://www.tubecollector.org/cv2968.htm	OB/WB	**7.00**
7H4B	Current regulator resistor ballast tube. Automatic current regulator. It's a reliable current regulating device, which can maintain a constant current in a circuit over a very wide range of input voltages. The resistance of the element automatically increases or decreases depending on the change of temperature in the unit. This maintains a very accurate current level. USA NOS including Amperite.		
7H4B	Westinghouse, RCA, GE, Sylvania – USA. NOS with logo. Data: Vf=250V, If=9.5mA, Screen=250V, Anode Impedance=0.8m, gm=4.2mA/V, grid=-30V. Sockets to fit from stock.	OB/BP	**3.00** **8 @ 1.66** **400 @ 1.30**
7H7	Sylvania, USA .Batch tested and guaranteed. Similar to 6SN7GT but 7H7 have loctal 8 pin base and variable MU. An audio type with sockets to fit in stock. Data https://frank.pocnet.net/sheets72.html	BP	**4.50** **20 @ 3.75** **100 @ 3.30**
7J7	Sylvania USA. Audio type.	OB/WB	**4.00**
7N7	Sylvania/ other USA. Tall bottle version.	OB/WB	**60.00**
7N7	USA NOS. Equivalent to 6SN7GT but 7N7 has loctal B8G base.	OB/WB	**10.00**
7R7	Sylvania or another USA made with logo. NOS. Data www.r-type.org website.	OB/WB	**4.00** **30 @ 2.50**
7S7	Sylvania, USA with logo. NOS. Clean and guaranteed. An audio type with sockets to fit in stock. Data: r-type.org website.	GVT	**4.00** **10 @ 3.00** **30 @ 2.80**
7V7	Sylvania, USA with logo. NOS, pentode, loctal base, loctal sockets in stock. Equivalent to 7T7 and 7AG7. Data: r-type.org website.	OB/WB	**4.00** **20 @ 3.00** **50 @ 2.50**
7Y4 / **EZ81**	These are 7Y4 Audio rectifier. Sylvania logo. USA NOS guaranteed. 7Y4 is similar to 6X4 and EZ81 but different base. Socket to fit this tube, 89LW, in stock. Data: http://www.tubedata.info/ if you have difficulty please contact our office.	OB/WB	**3.00** **50 @ 2.50**
7Z4	Sylvania USA with logo, full wave rectifier NOS. Data on the r-type.org website.	GVT	**2.40** **25 @ 2.00**
8D3	UK/USA NOS. Good quantities in actual physical stock. Please enquire.	Most OB	**POA**
8FQ7	GE, USA and Hitachi Japan. NOS. The only difference between 6CG7/ 6FQ7 and 8FQ7 is that 8FQ7 has 8 volt heater, 6CG7 is 6 volt. Data/photo http://scottbecker.net/tube/sheets81.html	OB	**3.00** **100 @ 2.00**
9AU7	RCA USA NOS partly similar to ECC82. Limited quantity.	Most OB	**2.50**
9M602	Toshiba. New guaranteed. Equivalent to 9M61.	OB	**150.00**
10 **Grade One**	USA made audio triode. Raytheon logo engraved in the base. 2 the same appearance. Used, but clean and test as Grade 1.	G1	**46.00** **2 @ 45.00**

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PLEASE ADD 50 PERCENT RETAIL SURCHARGE FOR ORDERS UNDER GBP240.

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TYPE	COMMENT	BOX	£ GBP PRICE each
	Guaranteed.		
10F1	Mazda. West European. Data & curves http://tubedata.itchurch.org/sheets1.html	Most OB	**3.50** **80 @ 2.50**
10P14	Mazda & other West European.	OB	**10.00** **10 @ 8.00**
10 / 10Y	USA made NOS. Audio triode with some similarities to 2A3. Availability varies.	OB/WB	**100.00**
10 / 10Y	USA made NOS. VT25 Western Electric, ceramic base. Availability varies.	OB/WB	**225.00**
10 / 210	These are 210 NOS, made in West Europe or USA. Branded Europa. UX4 base audio triode. Globe shape. Black single plate. 1930's made. NOS tested guaranteed. Equivalent to UX-210 and 10Y.	OB	**280.00**
10 / 210	Balloon shape. These are type 10 NOS, made in USA. 1 Cunningham, 1 Radiotron. Clean Grade One, might be NOS. Sold at Grade One price. Estimated 1930's made. Tested guaranteed. Equivalent to UX-210 and 10Y.	G1	**150.00** **2 @ 145.00**
11E2	ITT/STC UK. A potential audio type.	GVT/WB	**20.00**
11E3 CV73	CV73 Brimar Thorn & other UK brands. NOS. Audio tetrode. Similarities to PEN46, KT44, KT66 etc. Data at r-type.org. 11E3 is close to KT66 but 11E3 has different anode cap, ceramic supports and heater voltage to suit high voltage pulse operation. Sockets to fit, from stock, ref 7PT4.	GVT	**12.00** **12 @ 11.00** **100 @ 10.00**
11E3 CV73W	CV73W Brimar Thorn UK. NOS. Audio tetrode. Similarities to PEN46, KT44, KT66 etc. Data at r-type.org. 11E3 is close to KT66 but 11E3 has different anode cap, ceramic supports and heater voltage to suit high voltage pulse operation. Sockets to fit, from stock, ref 7PT4.	GVT	**12.00** **12 @ 11.00**
11E3	Please refer to KT88 / 11E3.		
11E4	UK/USA NOS. Good quantities in actual physical stock. Please enquire.	Most OB	**POA**
12A	USA brands, NOS.	GVT	**30.00**
12A6	Audio pentode partly similar to 6V6. NOS with logo, black metal. RCA, Adzam/Mazda etc, made in USA or West Europe. Matched pairs possible. Data: http://www.tubedata.info/ if you have difficulty please contact our office.	Most GVT	**3.00** **10 @ 2.50** **100 @ 2.00**
12A8GT	USA NOS.	OB/WB	**3.00** **10 @ 2.40**
12AB5	USA NOS. Guaranteed. GE, Westinghouse, Sylvania & RCA. Suitable for audio applications.	OB/WB	**6.60** **10 @ 6.00** **50 @ 5.60**
12AD7	RCA and other USA. NOS. similar to 12AX, not equivalent.	Most OB	**40.00**
12AH7GT	Kenrad x 100, RCA x 100 and 100 other USA NOS. Octal twin triode. Similar to ECC82 but octal base & different pin out. 10 years ago we built a pre-amplifier using this valve which gave a beautiful sound! Data http://www.r-type.org/exhib/abo0132.htm	Most GB	**3.25** **20 @ 3.00** **100 @ 2.50** **300 @ 2.25**
12AQ5	USA, NOS. Sylvania military box. NOS, guaranteed. 12 volt version of 6AQ5 / EL90.	OB/GB	**6.00** **10 @ 5.50**
12AT7	Please refer to **ECC81.**		
12AT7	Please refer to **ECC91**, which is a possible alternative, not equivalent. 12AT7 is B9A base, ECC91 is B7G base. Free data available.		
12AT7 / CV5212	Gold pin.		
12AU6	RCA logo, USA NOS. Audio pentode suitable for many audio applications including microphones, pentode audio preamp, SE amp in triode mode etc.	OB	**3.00** **10 @ 2.40** **200 @ 2.00**
12AU7	Refer to **12AH7GT Tung-Sol** USA NOS. Octal twin triode.		

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TYPE	COMMENT	BOX	£ GBP PRICE each
	Similar to ECC82 but octal base & different pin out. Data http://www.r-type.org/exhib/abo0132.htm		
12AU7	Refer to **CV4034** Brimar/Mullard, flying lead version. Bargain prices!		
12AU7	Please refer to **ECC82.**		
12AV7	RCA & other USA. NOS. Please refer to 5965.	OB/WB	**POA**
12AV7	Please refer to **5965.**		
12AX3	50 Westinghouse and 50 Raytheon USA. NOS**.**	OB/WB	**3.00** **50 @ 2.40** **100 @ 2.00**
12AX3	RCA, GE, Raytheon and Sylvania. USA. NOS.	OB/WB	**3.00** **16 @ 2.50**
12AX7	Please refer to **ECC83**.		
12AX7 / 5744WB	Raytheon, USA, 5744WB. NOS. Mint condition. A wire ended, sub miniature single triode, similar to half of a 5751/12AX7. Data: http://www.tubedata.info/ if you have difficulty please contact our office. Lower offers considered for orders over 100 pieces.	GVT	**4.00** **10 @ 2.30** **100 @ 2.15** **500 @ 2.00**
12AY7	Tesla Slovakia. JJ logo. New, tested/guaranteed.	OB	**16.50**
12AY7 / 6072A	Japan NOS. If available.	OB/WB	**18.00**
12AY7 / 6072A	Russian NOS tested guaranteed. 10 pieces in stock.	OB/WB	**10.00**
12AY7 / 6072/A	USA, NOS, ring getter. Sets of 2 pieces the same brand and same appearance. At the time of writing, we had GE 4 pieces. USA NOS ring getter	OB/WB	**62.00** **4 @ 60.00**
12AY7 / 6072/A	USA, NOS, circle getter. Singles, not sets of 2 pieces same appearance.	OB/WB	**52.00** **4 @ 50.00**
12AY7 / 6072A	USA, NOS. D getter. Most have black anode. At the time of writing, we have 4 pieces Tungsol NOS D getter and black anode	OB/WB	**87.50**
12AY7 / 6072/A	USA. NOS. Triple mica. 2 pieces look the same. GBP 150 wholesale if available.	OB/WB	**105.00**
12AY7 / 6072/A	USA. NOS. Triple mica. Singles, not sets of 2 the same appearance.	OB/WB	**102.00**
12AY7 / 6072/A USED	USA with circle getter. Used, tested.	BP	**30.00**
12AY7 / 6072 USED	GE 5 star logo. Used but test strong, over 65 percent emission.	BP	**70.00** **8 @ 45.00**
12AY7 / 6072 USED	Raytheon 6072, red Raytheon logo. Black plate. Made in USA. Triple mica. Used and test 50-60 percent emission. This is below normal “approved standard”, but still useful for many applications. Due to low emission, a bargain price. Perfect NOS would sell around GBP150.	BP	**50.00** **10 @ 40.00**
12AY7	Please refer to 6072 for more stock. 6072 has different heater to 6072.	OB/WB	**POA**
12AY7	Please refer to **6072/A.**		
12AZ7A	USA and Japan NOS, with logo. 4 or 5 different brands, including RCA, Sylvania & Westinghouse. 10 or 20 of each brand. **Rare item. Sorry, no discount possible.**	Most OB	**8.50** **4 @ 7.00** **50 @ 6.75**
12B4A	Audio driver tube. Westinghouse, Mazda, Raytheon. Japanese or USA made. NOS, tested guaranteed with logo.	Most OB	**6.00** **12 @ 5.00** **30 @ 4.00**
12B4A	Audio driver tube. 24 Westinghouse, 40 Raytheon, 12 RCA & 12 Sylvania. All USA, NOS, tested guaranteed with logo.	Mostly OB	**6.00**
12B4A USED	Raytheon logo, USA, tested, guarantee with logos.	WB	**4.50** **20 @ 3.00**
12BA6	20 or 30 of each brand. NOS. USA, Japan or East Europe.	OB/WB	**7.00** **16 @ 6.00** **100 @ 5.50**
12BA7	UK/USA NOS. Good quantities in stock. Please enquire.	Most OB	**3.00** **Bulk @ POA**
12BD6	RCA USA and Elevam Electronics, Japan.	OB/WB	**2.50**

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TYPE	COMMENT	BOX	£ GBP PRICE each
			30 @ 2.30
12BE6	All NOS: RCA USA, Telefunken Germany, Mullard UK, Brimar UK & Fivre Italy. 1 or 2 of each brand.	OB/WB	10.00
12BH7	NOS: USA Westinghouse, Sylvania, etc.	OB/WB	26.50 20 @ 25.50
12BH7	Sylvania, GE, RCA, Tung-Sol. D getter. NOS.	Mostly OB	30.00 8 @ 27.00
12BH7 USED	Brimar logo UK. Test as used and guaranteed.	WB	30.00
12BH7 USED	GE, RCA. D getter. Used. Tested.	WB	12.00
12BH7 / A	8 pieces RCA, 12 pieces Sylvania & a small quantity of GE, Raytheon, Westinghouse. USA. NOS. O getter. Tested and guaranteed.	Most OB	27.50 8 @ 22.00 20 @ 20.00
12BH7 / A	New guaranteed, tested. 26 x Chinese.	WB	14.00
12BH7 / A	8 pieces GE & a small quantity of Sylvania, Raytheon & Westinghouse, USA. Tested and guaranteed. D getter. NOS. Sets of 2 pieces same appearance.	OB/WB	35.00 8 @ 30.00
12BH7 / A	Westinghouse, Mazda or Raytheon, Japanese made NOS. Tested and guaranteed. In sets of 4 pieces identical (same brand & appearance).	Most OB	24.00 20 @ 16.00
12BH7 / A Grade One	GE, RCA, Sylvania and Raytheon, USA made with logo. Tested as Grade One.	G1	15.00
12BH7 / A USED	GE, RCA, Sylvania and Raytheon, USA / Canada with logo. Used and not new appearance but tested and guaranteed	BB	8.00 10 @ 7.00 60 @ 6.00
12BH7 / A USED	GE, RCA, Sylvania and Raytheon, USA with logo. D getter. Grey anode. Used and not new appearance but tested and guaranteed.	BB	12.00 8 @ 10.00 16 @ POA
12BH7 / A USED	Japan, Mazda, Westinghouse and Raytheon. Used but decent appearance, tested and guaranteed.	BB	10.00 8 @ 8.00 16 @ POA
12BY7A	Japan NOS. 12 Mazda, 12 Westinghouse & 12 Raytheon. Tested and guaranteed with logo.	Most OB	11.00 10 @ POA
12BY7A	NOS. O getter. Approx 30 pieces each brand: RCA USA, GE USA & Westinghouse USA. Tested, guaranteed, with logo.	Most OB	10.00 4 @ 9.00 50 @ POA
12BY7A	NOS. D getter. 12 pieces each brand: GE, USA, Sylvania USA. Tested, guaranteed.	OB/WB	18.00 24 @ 12.00
12BY7A Grade One	40 pieces each brand: RCA USA, GE USA, Sylvania USA, Westinghouse Japan. Test as Grade One, with logo. Decent appearance but small stains in glass. **Has similarities to EL84**. Many of them test nearly new, or look nearly new. **Data EL84:** Vf=6.3V, If=760mA, Va=300V, Ik=65mA, S=11mA/V, Pa=12W. **12BY7A:** Vf=12.6V, If=300mA, Va=250V, Ik=25mA, S=12mA/V, Pa=6W. **12BY7A Data** http://tubedata.itchurch.org/sheets12.html	G1	9.00 10 @ 6.00 200 @ 5.00
12BY7A USED	USA made, 50 each brand: RCA, Sylvania, Raytheon & Westinghouse. Used tested clean with logo. Data http://tubedata.itchurch.org/sheets11.html	OB/WB	5.00 20 @ 4.50 200 @ 4.00
12BZ7	NOS 12BZ7 is near equivalent to 12AX7 audio tube. RCA and Raytheon, both with logo.	OB	12.00
12BZ7 USED	UK/USA NOS. Good quantities in stock. Please enquire.	Most OB	3.00 Bulk @ POA
12C8GT	Fivre sticker, metal base made in Italy. A diode-pentode tube. The pentode section that produces a rich, musical tone with excellent clarity and detail. Fivre NOS and guaranteed. Made in Italy.	WB	3.00 10 @ 2.50 75 @ 2.00
12CG7	UK/USA NOS. Good quantities in stock. Please enquire.	Most OB	3.00

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TYPE	COMMENT	BOX	£ GBP PRICE each Bulk @ POA
12DW7	Please refer to 7247 equivalent.		**POA**
12E1	GEC sticker, UK. NOS, tested. Possibly GBP50 if available.	OB	**POA**
12E1	GEC sticker, UK. NOS, tested. 2 pieces in stock at time of writing.	OB	**60.00**
12E1	STC / ITT UK. NOS Tested. Logo. 12E1 has some similarities to KT88 but 12E1 has a top cap and other differences. 10 years ago our agent built a 12E1 amplifier, it produced great classic audio sound. Circuit diagram of the amplifier available on request.	OB	**23.00** **10 @ 16.00** **75 @ 15.00**
12E1	Mazda logo or Ediswan logo. Many are D getter. UK NOS. KB/E or KB/EN military stamp. NOS. Tested, guaranteed. 12E1 has some similarities to KT88 but 12E1 has a top cap. Available free data & sheet showing how to rewire base 12E1- KT88. 10 years ago our agent built a 12E1 amplifier, it produced great classic audio sound.	Most GB	**35.00** **10 @ 32.00**
12E1 **Grade One**	GEC sticker, UK. Tests as Grade One. Decent appearance, not new appearance.	G1	**45.00**
12E1 **Grade One**	STC/ITT logo, UK. Tests as Grade One. Info re audio application, in the STC (NOS) section, above.	OB	**17.50** **10 @ 14.00**
12E1 USED	Mazda / Ediswan logo, UK made. Used not new appearance but test approximately 70 percent emission with guarantee.	WB	**15.00** **16 @ 14.00**
12E14	Please refer to **S11E12** exact equivalent. Very near equivalent to CV4060.		
12EK6	UK/USA NOS. Good quantities in stock. Please enquire.	Most OB	**3.00** **Bulk @ POA**
12F8	UK/USA NOS. Good quantities in stock. Please enquire.	Most OB	**3.00** **Bulk @ POA**
12FK6	UK/USA NOS. Good quantities in stock. Please enquire.	Most OB	**5.00** **Bulk @ POA**
12GN7 / 12HG7	USA. NOS with logo. B9A audio type audio pentode.	Most OB	**6.00** **12 @ 4.80** **100 @ 4.50**
12HG7	Please refer to **12GN7.**		
12J5GT	Mullard UK NOS. Some are VT135 high quality military grade.	OB/WB	**8.00** **16 @ 6.00**
12J5GT	RCA, Sylvania and other USA NOS. Some are VT135 high quality military grade. Print styles are mixed, hence the very low price! NOS guaranteed.	OB/WB	**6.00** **8 @ 5.00** **50 @ POA**
12K8GT	UK/USA NOS. Good quantities in stock. Please enquire.	Most OB	**3.00** **Bulk @ POA**
12K8Y	UK/USA NOS. Good quantities in stock. Please enquire.	Most OB	**3.00** **Bulk @ POA**
12SA7	USA, NOS. Black metal. We have 12SA7GT at higher price.	OB/WB	**5.00**
12SA7GT	USA, brands including Hytron, Westinghouse, Raytheon NOS. Glass GT tube**.**	OB/WB	**5.00** **10 @ 4.25** **30 @ 3.50** **100 @ POA**
12SC7	Large quantity of Marconi & Kenrad. Small quantity of other Canada/USA. Potential audio type. NOS clean and guaranteed. Data: Vf=12.6V, If=150ma, Va=250V, Ik=2ma, S=1.2ma/V www.nj7p.org/Common/Tube/SQL/Tube_query.php?Type=12SC7	OB/GVT	**2.30**
12SG7	Audio preamp tube. GE JAN logo USA NOS. Black metal. 600 pieces all identical. Super low price audio pentode. Data on request.	GVT	**4.00** **30 @ 3.00** **600 @ 2.50**
12SH7	RCA or Kenrad. Logo USA. Black metal. New, unused.	OB/WB	**3.00** **20 @ 2.40** **80 @ 1.80**
12SJ7	USA, NOS, Black Metal. Most RCA.	OB/GVT	**5.00** **20 @ 2.50**

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TYPE	COMMENT	BOX	£ GBP PRICE each
			90 @ 2.00
12SJ7GT	West European / North American brands if available. USA NOS.	OB/WB	7.50 10 @ 4.00 100 @ POA
12SK7	USA, NOS. Black metal. RCA red logo.	RCA red OB	3.75 5 @ 3.00 500 @ 2.50
12SL7GT	USA NOS. 6 RCA & 4 GE, 10 mixed brands.	OB/WB	6.00 20 @ 5.00
12SL7GT	Fivre, Brimar, Mullard NOS. Made in UK or Italy.	WB	34.00 10 @ 30.00
12SL7GT	Please see 5755 for B9A based near equivalent.		
12SN7GT	Mullard UK NOS & Fivre, Italy. NOS. Small quantity maybe available.	WB	POA
12SN7GT	50 RCA black anode plate, plus small quantity of: Tung-Sol, Sylvania, GE, Hytron & Westinghouse, USA. NOS with logo.	Most WB	11.00 50 @ 9.00
12SN7GT	Tung-Sol, Sylvania, GE, Hytron & Westinghouse, USA. NOS with logo.	Most OB	11.00
12SN7GT Grade One	Mix of Sylvania, Raytheon, Kenrad, etc. USA NOS with logo. Sets of 2 identical. Tested Grade One.	G1	POA
12SN7GT / A USED	Sylvania, Hytron, and Raytheon, USA with logos. Used and tests 65 or 75 percent emission. Similar to 6SN7GT but 12V heater. For data refer to the NOS paragraph.	WB	5.00 60 @ 4.00
12SQ7	RCA, Westinghouse and GE, USA. NOS. Black metal.		10.00
12SQ7GT	Few pieces usually in stock.		10.00
12SW7	RCA or mixed. UK/USA NOS. Good quantities in stock. Please enquire.	Most OB	3.00 Bulk @ POA
12SW7 USED	UK/USA NOS. Good quantities in stock. Please enquire.	Most OB	3.00 Bulk @ POA
12SX7GT	12 GE, 12 Westinghouse. USA NOS with logo. Audio type. Data http://tubedata.itchurch.org/sheets11.html	Most OB	15.00 24 @ 12.50
12SX7GT	RCA USA NOS with logo. Audio type. Data http://tubedata.itchurch.org/sheets11.html	Most OB	25.00 12 @ 20.00
12W4GT	Japanese manufacture.	BP	3.50 20 @ 2.50 100 @ 2.00
12X4	RCA logo USA, NOS.	OB	6.00 3 @ 5.00 50 @ 4.50
12Y4	Marconi. NOS. 1940s vintage. Canadian made. A dual diode/signal tube similar to 6AL5 except that it has 12 volt heater and B5 base. Data www.radiomuseum.org/tubes/tube_12y4.html Sockets for these are in stock. Attractive and colourful.	OB	3.50 10 @ 2.20 300 @ 1.80
13CW4	Sylvania USA nuvistor tube. Looks new but tests as used, guaranteed. Suits Neumann U-47 microphone. Data http://tubedata.itchurch.org/sheets13.html If available approx GBP20 wholesale.	GB	POA
13D1 USED	STC/ Brimar UK. Partly similar to 6SN7GT. USED, tested, guarantee. Guide price GBP12 wholesale.	WB	POA
13D9 / ECC801S	These are 13D9 Brimar logo UK made, NOS, black anode. Similar to ECC81 / ECC801S. Many consider the higher anode current to be an advantage. Same pin out as ECC81.	Most OB	12.50
13E1	Mazda / Ediswan logo, UK NOS.	GVT	120.00
13E1	STC / ITT logo, UK NOS. Socket from stock. Supply the 13E1 heater from a 12.6V tapping on the heater transformer. Large beautiful dome shape. A watt anode dissipation pentode, which wired as a triode can provide 50 watts push pull class A, operation at 500 volts.	OB/GVT	110.00 4 @ POA

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TYPE	COMMENT	BOX	£ GBP PRICE each
	Best known as a PP triode audio amplifier by Morgan Jones. Data: http://www.tubedata.info/ if you have difficulty please contact our office.		
13E1 **Grade One**	Mazda UK, tested around 80 percent emission. 2 pieces look the same and test the same. Very rare item.	G1	**75.00** **2 @ 70.00**
13E1 USED	2 STC, 4 Mazda & 1 EEV. UK made. Used, tested, guaranteed with logo. They look decent, but they do not look new.	WB	**48.00** **6 @ 45.00**
14GW8	Exact equivalent to **PCL86.**		
19AQ5	Brimar logo UK. NOS. Similar 6AQ5/ EL90 but different heater. Data http://tubedata.itchurch.org/sheets16.html	OB	**3.00** **100 @ 2.00**
19H1	Ediswan UK rectifier. Equivalent to CV121 and possible alternative, not equivalent to U19. Potential audio type.	GVT	**4.80** **100 @ POA**
19H1	Equivalent to **CV121** and similar to **U19.**		
19H1	Mazda.	OB/WB	**4.80**
19H4	Please refer to U19/ 19H4 near the back of this catalogue for prices and availability.	OB	
19H5	STC logo, UK made NOS blue logo printed. CV490. These 19H5 have some similarities to U19. Data http://tubedata.itchurch.org/sheets16.html	OB	**15.00** **2 @ 13.00** **100 @ 11.00**
20P4	Mazda. West European. With logo. Audio pentode. Data & curves http://tubedata.itchurch.org/sheets2.html	OB/WB	**4.00** **50 @ 3.00**
20P5	Ediswan/ Elpico/ Mazda West European manufacture. Potential audio use, circuit available.	OB/WB	**3.00**
21KA6	GE, RCA plus a few other USA NOS. TV horizontal deflection amplifier tube that also suits audio applications.	OB/WB	**8.00** **20 @ 7.00**
24 / 224	Shoulder shape. USA brands. NOS. RCA etc.	OB/WB	**6.00** **16 @ 5.00**
24 / 224	Balloon shape. USA brands. NOS. 1 or 2 pieces.	OB/WB	**15.00**
25A6G	West European/North American brands, including Brimar.	OB/WB	**3.00**
25BQ6GT	Hallicrafters USA	OB	**48 @ POA**
25L6G / KT32	These are KT32 MWT/GEC UK NOS. Audio type. Shoulder shape. Equivalent to 25L6G.	OB	**9.00** **10 @ 8.00** **180 @ 7.00**
25L6GT	NOS. Audio type. 80 pieces in total. USA made RCA, Sylvania, Hytron, Tung-Sol. UK made. Brimar. About 10 pieces of each brand.	OB/WB	**3.00** **80 @ 2.75**
25T	HK24 USA NOS.	Most OB	**42.00**
25W4GT	400 Sylvania. Audio rectifier, made in USA. NOS Data: http://www.tubedata.info/ if you have difficulty please contact our office.	OB/WB	**3.00** **8 @ 2.00** **400 @ 1.70**
25Z6GT	100 RCA, 1900 National Union USA, all with logo. All are NOS clean, uniform appearance and guaranteed. Octal base, half-wave rectifier/double diode. Data: Vf=25V, If=300mA, Va=235V, Ik=150mA. This is a fantastic low cost alternative, not equivalent to rectifiers like 5V4G, GZ32 and GZ37 which wholesale around GBP25.00 each. Data http://tubedata.itchurch.org/sheets22.html	GVT	**2.00** **10 @ 1.00** **2000 @ 0.75**
26	Balloon shape. Equivalent to 226, UX226, UY226 etc. USA brands. NOS. Audio triode, similar to 2A3 but lower power. Vade mecum data https://tubedata.altanatubes.com.br/vademecum0.html	OB/WB	**32.00** **4 @ 28.00** **8 @ 26.00**
26	USA. NOS.	OB/WB	**23.00**
26	USA NOS. Balloon shape.	OB/WB	**27.00**
26	USA ST/bottle shape.	OB/WB	**17.00**
26 USED	USA used tested. Balloon shape.	OB/WB	**14.00**
26 USED	USA used tested. ST/Coke bottle shape.	OB/WB	**8.00**
26-4A	UK/USA NOS. Good quantities in stock. Please enquire.	Most OB	**POA**
26A7GT	RCA logo USA NOS. Potential audio type.	OB	**9.00**

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PLEASE ADD 50 PERCENT RETAIL SURCHARGE FOR ORDERS UNDER GBP240.

BILLINGTON EXPORT LTD

TYPE	COMMENT	BOX	£ GBP PRICE each
	Double beam power output tube.		10 @ 5.00 75 @ 4.50 175 @ POA
26Z5W	Tung-Sol USA made. NOS.	OB/WB	15.00
27	Balloon shape. Equivalent to 227. USA brands. NOS. UX5 base, 2.5v heater audio triode, similar to 2A3 but lower power.	OB/WB	32.00 4 @ 28.00 8 @ 26.00
27	Shoulder shape. USA NOS. RCA, Sylvania and other new USA made. In sets of 2 of same brand same appearance.	OB/WB	8 @ 19.00 20 @ POA
27 / 227 Grade One	**Balloon** shape. Test as Grade 1. RCA, Sylvania and other USA made. UX5 base, 2.5v heater audio triode, similar to 2A3 but lower power. In sets of 2 of the same brand or 2 of the same appearance. Used but clean and test over 80 percent emission.	G1	22.00 8 @ 16.00 20 @ POA
27 Grade One	**Shoulder** shape. Test as Grade 1. Approx GBP6 wholesale. If available…	G1	POA
27 / 227 USED	Balloon shape. Used but test 65 percent or more emission. RCA, Sylvania and other USA made. In sets of 2 of the same brand or 2 of the same appearance.		16.00 8 @ 13.00 20 @ POA
28D7	Sylvania logo USA. NOS. Clean, tested and guaranteed. **A potential audio pentode. Suit battery operated amplifier or headphone amp.** Loctal base. Sockets to fit in stock. Data Vf=28V, If=400mA, Va=28V, Ik=12mA, Pa=1W. More data http://tubedata.itchurch.org/sheets22.html	Most OB	4.00 10 @ 2.20 50 @ 1.80 150 @ 1.50
29C1 / CV430	ITT / STC NOS. A voltage regulation diode vintage. British made. Near offers considered. Data: http://www.tubedata.info/ if you have difficulty please contact our office. Data: Vf=4,0V, If=800mA, Va=100V, Ik=3mA	GVT	11.00 500 @ 8.00
30	Audio triode, UX4 base. USA NOS. RCA etc.	OB/WB	18.00
30C15	Mazda logo, UK NOS. Data www.r-type.org/exhib/aai0122.htm	OB/WB	1.00 300 @ POA
30C17	Mazda logo, UK NOS. Data www.r-type.org/exhib/aai0122.htm	OB	1.00
30FL2	UK/USA NOS. Good quantities in stock. Please enquire.	Most OB	POA
31E-50576L	12 inch circular screen CRT suits vintage TV hobby. Cathode ray tube by Brimar Rank UK NOS. 8 inch neck.	OB	40.00 8 @ 32.00
33	Sylvania logo, USA NOS. UX5 audio pentode. Data www.mif.pg.gda.pl/homepages/frank/sheets/029/3/33.pdf	OB/WB	5.00 30 @ 4.50
33A-101K	Brimar logo, UK NOS with black anode.	OB	25.00
33A-158M	STC logo UK. NOS tested. Guaranteed. Audio type. Loctal sockets to fit are in stock. Data http://tubedata.itchurch.org/sheets3.html	WB	28.00 8 @ 26.00
33A-158M USED	STC logo UK. Used, tested. Guaranteed. Audio type. Loctal sockets to fit are in stock. Data http://tubedata.itchurch.org/sheets3.html	WB	10.00 8 @ 8.00
35-51	USA NOS, ST shape, several in stock.	OB/WB	4.00
35-51	USA NOS, balloon shape.	OB/WB	16.00
35-51	USA NOS. RCA, Sylvania & Westinghouse.	OB/WB	4.00 20 @ 3.00
35A3	Sicte Italy/other brands.	OB/WB	5.00 10 @ 3.00 100 @ 2.00
35L6GT	NOS RCA, Sylvania and Westinghouse with logo. Supplied in sets of 4 pieces identical.	OB/WB	5.00 50 @ 4.00
35T / EEV	GEC UK NOS. USA brands may exist at same price. NOS, audio triode. Sockets in stock. Data: Vf=5.0V, If=4000mA, Va=1500V, Ik=150mA, Pa=35W.	GVT/WB	50.00 12 @ 45.00
35X4	USA. NOS. These 35X4 are partly like 6X4 but have a 35v heater. GBP4.00 wholesale price if available.	OB	3.00
35Z3	Sylvania USA. Glass, GT shape. Nice NOS 1950s vintage USA	OB/WB	2.20

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BILLINGTON EXPORT LTD

TYPE	COMMENT	BOX	£ GBP PRICE each
	made. A rectifier often seen in AC/DC radio high voltage supplies.		100 @ 1.50
35Z5GT	Haltron logo, believed to be USA made, NOS. Clean and guaranteed. Octal base, half-wave rectifier.	OB	7.00 50 @ 5.50
36KD6	Please refer to 40KD6 equivalent. 40KD6 NOS and tested. USA / Japan.	WB/OB	20.00 10 @ 16.00
37	**Balloon** shape. USA made. NOS.	Most GVT	20.00
37	**Shoulder** shape. USA made. NOS. Audio triode, many say it sounds better than its "brother", RCA type 76. Data www.r-type.org/exhib/abh0246.htm	OB/WB	13.00
37 USED	**Balloon** shape. USA made test as used. Guaranteed. Data http://tubedata.itchurch.org/sheets22.html	WB	10.00
37 USED	**Shoulder** shape. USA brands. Used. Tested.	WB	3.00
6L6G / 38	These are type 38, audio pentode. USA NOS. Type 38, is UX5 base with similarities to 6L6G, not equivalent. Data http://tubedata.itchurch.org/sheets31.html	OB / WB	POA
39-44	USA NOS, with logo. 20 Sylvania, 20 Tung-Sol, 20 Western Electric, 20 RCA USA.	OB/WB	4.00 80 @ 2.50
40KD6	Mixed brands: UK, USA & Japan. Partly similar to PL519, but not equivalent.	OB/WB	16.00 10 @ 15.00
40KG6	Equivalent to **PL509** and **PL519.**		
41	USA NOS, most ST coke bottle shape. A few GT shape. 10 pieces of each brand. GE, RCA, Sylvania, Kenrad, National Union, groups of the same appearance.	OB/WB	13.00 50 @ 11.00
41MP	Cossor UK NOS - 2 pieces of the same appearance.	OB/WB	125.00 2 @ 120.00
41MP	Cossor UK NOS - 4 pieces, singles. Not 2 of the same appearance.	OB/WB	115.00 4 @ 100.00
41MPX	UK brands. 2 the same appearance.	OB	125.00
41MXP	UK brands including MOV and Cossor, or near equivalent like PA1 CV1122 ACP1, 41MXP, LL4, O54V PA1.	OB/WB	180.00
42 USED	USA, used, tested, balloon shape. 1 only.	WB	20.00
42 / EL33	These are type 42 tubes with UX6 base. You can buy adaptors on eBay to convert type 42 into type EL33/KT61. Type 42 UK made, Brimar logo. 30 pieces all same appearance. NOS. Tested.	OB/WB	15.00 8 @ 12.00 30 @ 11.00
42 / EL33 Grade One	These are type 42 tubes with UX6 base. You can buy adaptors on eBay, to convert type 42 into type EL33/KT61. West European/ USA made Brimar, Sylvania etc. With logo, NOS. Tests as Grade One.	G1	10.00 12 @ 7.00
43	RCA, Sylvania, Westinghouse, and other USA NOS. Tested with logo.	OB/WB	6.00 10 @ 5.00
43IU	Cossor logo, UK. Antique fat shape. NOS. Tested and guaranteed. Audio rectifier. Data http://www.r-type.org/exhib/aai0288.htm	OB	60.00
43IU Grade One	Cossor. Test as Grade One. Details similar to 43IU NOS, above.	G1	45.00
43IU Grade One	Cossor. UK made. Grade One. UK made. Please enquire for price.	OB/WB	Stock
43IU USED	Cossor. Used, tested, guaranteed. Similar to 43IU NOS, above.	WB	30.00
45	USA made NOS. Tested & guaranteed. When available.	WB	POA
45	USA made NOS. Tested & guaranteed. Singles, not sets of 2 of same appearance.	WB	65.00 5 @ 60.00
45	USA, balloon shape. When available approx GBP200 wholesale new, GBP100 used.	GB	POA
45 USED	Philco USA made tests 65-75 percent emission and guaranteed. Decent appearance.	WB	47.00
45 / VT52	These VT52 are USA made special quality equivalent to 45.	OB/WB	POA

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BILLINGTON EXPORT LTD

TYPE	COMMENT	BOX	£ GBP PRICE each
	Western Electric brand, GBP150 wholesale price if available.		
45 / VT52 Grade One	These VT52 are USA made special quality equivalent to 45. Brands include Sylvania, Hytron & National Union. Test as Grade 1 meaning around 80 percent emission, not new appearance but decent appearance.	G1	**90.00**
46	Mix brand, if available.	WB	**20.00**
47	Shoulder shape, USA, NOS. Tested.	OB/WB	**18.00** **8 @ 17.00** **16 @ 16.00**
47	Balloon shape, 1 or 2 pieces. USA. Tested.	WB	**28.00** **10 @ POA**
47 USED	Balloon shape, 1 or 2 pieces. USA. Used, tested.	WB	**14.00**
47 USED	Shoulder shape, USA. Used, tested.	WB	**8.00** **5 @ 7.00**
50 USED	Sylvania logo USA. Large shoulder shape. Audio triode. Tests as used, decent appearance. 1 only.	WB	**90.00**
50C5	B7G Audio pentode. USA NOS. GE, Westinghouse, Brimar plus mixed.	WB/OB	**7.50**
50C5 / B7G	Audio pentode. USA NOS. Deltron brand made Japan or other non-European country. Would suit radio or audio application. Very cheap price. Data: https://frank.pocnet.net/sheets5.html	WB/OB	**4.00** **10 @ 3.00** **40 @ 2.00** **300 @ 1.50**
50CA10	When available. 50CA10.	WB	**POA**
50CA10	NOS Chinese. Tested, guaranteed. Shuguang produced. Ultra-rare. Suits Luxman models MQ-60, MQ-68 and SQ38FD. 50CA10 is a triode with 50V heater and Pa 30W. 1 only.	WB	**50.00**
50CA10	NOS made in Japan. Tested, guaranteed. Ultra-rare. 1 only.	WB	**100.00**
50CA10 USED	Used but clean appearance, made in Japan. Tested, guaranteed. Ultra-rare. 2 pieces look the same.	WB	**70.00** **2 @ 60.00**
50CD6G	Brimar UK audio tube, partly similar to EL34 + 807, but 50CD6G is bargain price due to 50v heater. 50CD6G is an octal base pentode / beam tetrode. Brimar logo UK NOS. PDF data: http://www.r-type.org/exhib/aad0184.htm	OB/WB	**6.00** **50 @ 4.80**
50EH5	RCA, USA NOS with acid etch and RCA logo. Audio type with data available.	OB	**4.00** **20 @ 3.00**
50L6GT	NOS RCA, Sylvania and Westinghouse with logo. Supplied in sets of 4 pieces identical.	OB/WB	**5.00** **50 @ 4.00**
50R5GT	Mix. NOS. Guarantee. (Offers invited).	OB/WB	**3.00** **50 @ 2.00**
52KU	UK (NOS), when available. Expensive.	OB	**POA**
53KU / CV378	Cossor yellow logo. UK NOS. Antique fat shape. Very rare, 3 in stock.	GB	**300.00**
53KU / CV378 USED	Cossor yellow logo. UK NOS. Thin shouldered shape, similar to Mullard GZ37. Test as used. Looks decent, does not look new. Guaranteed. Many test near NOS, but the spigot was broken, and repaired with a black plastic piece. The repair is invisible when the valve is in equipment. A good quality item, sold at used price due to the spigot repair.	WB	**40.00**
53KU Grade 1	Cossor, UK NOS. Antique fat shape. Rare! Test like new. Very clean. Hard to decide if it's new or grade 1. Sold at grade one price. 1 only.	G1	**180.00**
54KU	UK with Cossor logo. Antique FAT shape. Rare and expensive.	GVT	**60.00** **2 @ 55.00**
56	USA (NOS). Various brands. Tested guaranteed, with logo. Audio triode with some similarities to valve type 76. Larger quantities may exist. Photos & pdf data http://www.r-type.org/exhib/aag0016.htm	OB/WB	**5.00** **10 @ 4.50**
57	USA (NOS). Various brands. Tested guaranteed, with logo.	OB/WB	**10.00**
59	USA made NOS, various brands.	OB/WB	**12.00**

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BILLINGTON EXPORT LTD

TYPE	COMMENT	BOX	£ GBP PRICE each
			10 @ 10.00
61BT	UK NOS. Data/photo http://www.r-type.org	OB/WB	9.00 20 @ 8.00
61SPT A	Cossor logo UK NOS. A screened pentode with high current rating. Data/photo http://www.r-type.org/exhib/aai0009.htm	OB/WB	10.00 20 @ 8.50
71A	USA NOS. Shoulder shape. 6 pieces, various brands.	OB/WB	32.00 6 @ 28.00
71A / 171A	USA NOS. Rare balloon shape. Sets of 2 pieces that look the same.	WB	60.00 2 @ 55.00
75	Various USA brands, NOS.	OB/WB	17.50 10 @ POA
75B1	CV284 Mullard, EEV, etc. Most have logos. UK NOS. Gas filled stabiliser valve. Some similarities to 85A2. Data http://frank.pocnet.net	OB/WB	3.00 400 @ 2.40
75C1	CV4080 Mullard, Most have logos. UK NOS. Gas filled stabiliser valve. Some similarities to 85A2. Data for these 75C1 at http://frank.pocnet.net	GVT	4.00 100 @ 3.20
76	USA NOS tested. Mixed brands. Suits pre-amps eg audio lab FF, Korneff.	OB/WB	14.00 4 @ 12.50 12 @ 11.00
76 Grade One	USA test as Grade 1. Tested. Looks used but decent.	G1	11.00 8 @ 8.00
76 USED	Audio type. Mixed USA brands, used tested working, guaranteed.	WB	7.00 6 @ 5.00
80	GT straight sided shape. Mixed West Europe / USA brands. Tung-Sol / RCA / GE, Brimar etc.	OB/WB	11.00 20 @ 10.00
80	77	Audio Type. National Union USA NOS. Rare military sticker on the glass. Antique audio type. All look the same.	WB 10 @ 40 @ 4.20
80	280 balloon shape, USA. NOS tested. Guarantee. 1 or 2 pieces. Wholesale price is approx GBP70 if available.	WB	POA
80 / 280 USED	USA eg RCA, Sylvania, Raytheon. Shouldered shape. Used tested guarantee.	WB	8.00 20 @ 6.00
80 / 280 USED	Low 80 balloon shape, USA used. Tests working, clean, guaranteed.	WB	35.00 4 @ POA
81 / 281	USA NOS with logo. Audio triode. Balloon shape, usually a few in stock.	OB/WB	45.00
81 / 281	Maybe labelled CX381 or 281. USA NOS ST shape. A few pieces.	OB/WB	16.00
81 / 281A	Western Electric 1930's made, balloon shape. when available. Guide price GBP 575.00	OB/WB	POA
82	USA NOS. Mixed USA brands. Tested guaranteed.	OB/WB	14.00 10 @ 12.00
83	USA NOS audio rectifier. Mixed USA brands. Tested guaranteed.	GBP	50.00 10 @ POA
83 Grade One	USA. Tested to Grade One standard, guaranteed. Not new appearance.	WB	25.00 10 @ POA

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TYPE	COMMENT	BOX	£ GBP PRICE each
83 USED	USA. Used, tested, guaranteed. Not new appearance.	WB	**17.00**
83V	GE USA NOS. Audio rectifier.		**22.00**
83V **Grade One**	Various USA brands. Tested to Grade one standard, Guaranteed.	G1	**11.00**
83V USED	Various USA brands. Used, tested, guaranteed.	WB	**6.00**
84	Westinghouse logo USA NOS. Equivalent to 6Z4. These are 84/6Z4 5 pin UX5 base. Data: http://www.tubedata.info/ if you have difficulty please contact our office. No relation to 6Z4 B7G base.	OB	**5.00**
85	USA made NOS, various brands.	OB/WB	**4.00** **10 @ 3.20**
85A1	Mullard & other West European NOS. 30 pieces.	Most OB	**5.00**
85A2	Mullard West European made NOS guaranteed. A high voltage stabiliser. 115v striking voltage, 85v maintaining voltage. For a tube current variation of 1mA to 10mA the voltage regulation is 4volts. Audio tube. Data http://tubedata.itchurch.org/sheets81.html	BP or WB	**3.50** **4 @ 3.00** **200 @ 2.40**
85A2 / QS1202	EEV, UK CV4052. Potential audio item with similarities to 85A2. CV4052/QS1202 is a wire-ended gas regulator tube that regulates from 5 to 15mA at 108 volts DC. Data 108V DC, 210V striking total darkness, 133V striking in normal lighting. 15mA maximum tube current, 2mA minimum tube current. NOS clean and guarantee. EEV UK was part of GEC UK. **These are QS1202, similar to 85a2 but not equivalent.**	GVT	**2.50** **100 @ 2.00** **500 @ 1.50**
85A2	EEV UK made NOS. B7G base, potential audio.	OB	**5.00** **80 @ 4.00**
85A2	West European made NOS. Tested, guaranteed. Most are Mullard. A high voltage stabiliser. 115v striking voltage, 85v maintaining voltage. For a tube current variation of 1mA to 10mA the voltage regulation is 4 volts. Useful to stabilise the voltage of an oscillator, or as a voltage reference for a stabilised supply. Data: Va=85V, Ik=5Ma. Data http://tubedata.itchurch.org/sheets81.html	WB	**3.50** **4 @ 3.00**
85A2	USA made NOS with logo. Printed 5651WA. RCA, Raytheon, Sylvania etc.	OB/BP	**2.50** **50 @ 2.00**
85A2 / 75B1	These are 75B1. CV284 EEV logo UK. NOS. Gas filled stabiliser valve. These 75B1 have some similarities to 85A2. Photo/data for 75 B1 and 85 A2 on the tubedata.itchurch website.	OB/WB	**3.00** **400 @ 2.40**
90C1	West European made Mullard, Amperex and EEV. B7G base, potential audio. Va=90V, Ik=40mA. NOS, clean, uniform.	OB/WB	**4.50** **6 @ 2.00** **150 @ 1.80**
90CG	West European made. Valvo, Philips, Amperex and EEV. NOS.	OB/WB	**10.00**
90CV	West European made. Philips, Amperex and EEV. NOS.	OB/WB	**16.00**
92AV	Photocell, West European made. Valvo, Philips, Mullard etc. NOS.	OB/WB	**33.00**
100TH	EIMAC/ other USA, NOS. Tested Guaranteed. Audio triode.	OB/WB	**60.00**
DISPLAY ITEM **100TH**	Eimac, USA. Most have logo. Very large tennis ball shape, 20 cms or 8 inches high. Unused, clean but failed test. An audio triode. Photographs on request.	OB/WB	**10.00**
112A	West European/North American brands.	GVT/WB	**20.00**
150B2	EEV, Brimar, Mullard, Philips & Valvo. West European manufacture. Equivalent to CV2225.	OB/WB	**10.00**
150B3 / CV287	GEC and EEV 1960s UK NOS. Some have GEC sticker. A 150 volt regulator tube designed for regulated voltage supplies. Data: http://www.tubedata.info/ if you have difficulty please contact our office.	Mostly GVT	**5.00**
150C2	Please refer to equivalent **OA2**.		
150C3	Equivalent to **VR150-30.**		
171A / 71A	USA NOS. Rare, when available.	OB/WB	**Sh'lder 35.00**

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TYPE	COMMENT	BOX	£ GBP PRICE each
			Balloon 60.00
185BT / 185BTA	Cossor logo UK NOS.	Most OB	18.00
205E / 4205E	STC UK NOS. 1 only. Ball shape. Data http://www.tubecollectors.org/we/archives/205e.pdf OR ask us for a data sheet. Heater Voltage: 4.5V – AT 1.6A. It will be tested if you request it.	WB	250.00
210HF	UK, NOS UK equivalent to HL2.	WB	25.00
210HF Grade One	Grade One UK, Test as Grade One. Equivalent to HL2.	G1	19.00
203A Grade One	Grade One RCA USA. Fair appearance, but does not look new therefore, sold as Grade One. This is tested with good print and guarantee. 203A has similarities to VT4C/211, but the 203A has a higher Mu reading. 1 only. Data https://frank.pocnet.net/sheets2.html	G1	200.00
203A Display	USA, clean, antique and interesting item. **Test fail. For display only.** Appearance is partly similar to 211.	G1	10.00 5 @ 8.00
205D / 1276	1 only Sylvania logo NOS type 1276. Tested guaranteed. 1276 is near equivalent to 205D. Suits Altec & WE Theater Amplifiers. 1276 operating characteristics when used as amplifier: Heater Voltage: 4.3V – 5V AT 1.6A. Anode voltage: 200V – 350V Grid Voltage: -10V to -25V. Anode current: 17 – 25 Ma. Zout: 3 – 4 K ohms, Mu: 6 – 7.5 Transconductance = 2000, Max Continuous anode: 15W 1276 is also similar to 2A3 but 4.5v heater.	WB	200.00
210	West European/North American brands. Balloon shape.	OB/WB	120.00
210LF	UK, NOS maybe a near equivalent to HL2.	OB/WB	24.00
210LF USED	Used maybe a near equivalent to HL2.	OB/WB	12.00
210HF Grade One	UK, Test as Grade One. Maybe a near equivalent HL2.	G1	30.00
211	Chinese. New, tested, guaranteed.		60.00 No bulk
211	Cossor logo. Chinese manufacture. 3 months guarantee. Our supplier has acquired the right to use the Cossor trademark. Great looking tube!	Colourful OB	70.00 8 @ 67.50
211	GE USA NOS. If available, rough guide price GBP450.	OB/WB	POA
211 / CEP120 / 3C21	These are CEP120 audio triode. Equivalent to ZB120, 3C21. **Similar to 211/ VT4C**. Low distortion, zero bias Class B amplifier. Amplification factor 90, anode voltage of 750 - 1500v. Class B audio data: http://www.tubedata.info/ if you have difficulty please contact our office. Photo https://www.radiomuseum.org/tubes/tube_zb120.html We have 4 pieces NOS CUE120. United logo. USA NOS. 4 pieces. Amperex CEP120 logo USA NOS.	GB	POA
211 / UX-CV11	These are UX-CV11. United logo USA NOS. They are a 65 watt triode with a mu of 14 designed for full ratings to 30 MHz. Similar to a 211H. Max voltage = 1500, Max current = 150 ma, fil voltage = 10, Fil current = 2.5 amps. Data http://www.tubecollectors.org/united/archives/uxcv11.pdf & http://frank.pocnet.net/sheets2.html	OB/WB	125.00 2 @ 120.00 4 @ 100.00
211A	If used as Audio triode. Heater 3A @ 10V, anode 750 – 1000V, Grid: 30V: 65 Ma. Anode impedance: 3.5 K, Mu: 11 – 13. Anode: 65w.	OB/WB	POA
211 / 2J-211-H	These are Amperex 2J-211-H. USA made NOS with logo. *** 2J-211-H is a possible alternative to 845, 211 or 805 *** NOS clean tested guaranteed. Near offers considered. 2 pieces look the same. 2J-211-H seems to be direct equivalent of 8003. 8003 data www.mif.pg.gda.pl/cgi-bin/vs4.pl	OB	POA

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TYPE	COMMENT	BOX	£ GBP PRICE each
212E	These are MZ2-200 Mullard, triode. Designed in the 1930s, a huge audio triode. Equivalent to Western Electric 212E and STC 4212E.	OB/WB	**POA**
215P / VR19	Cossor. Balloon shape. NOS.	GVT	**15.00**
215SG	Cossor UK manufacture NOS. These are wholesale prices. Please add 50 percent, if your order is below GBP240.	OB	**11.00** **6 @ 10.00**
215SG	Cossor UK manufacture. Most test near new. Most are new but store soiled appearance. Sold as used item at used price.	WB	**5.50** **12 @ 5.00**
218 USED	USA used, tested, decent appearance, guaranteed. www.radiomuseum.org/tubes/tube_cv2579.html Balloon shape **14amp rectifier. 15 inches / 38cms tall approx.**	WB	**30.00**
220P	**Includes equivalents** VT20, 220P, CV1019, PM2, UK, NOS, Cossor logo. Balloon shape. Tested and guaranteed. Ask re bulk quantities.	OB/WB	**25.00**
227	Please refer to 27.		
231D	Western Electric logo in stock. Please enquire.	OB/WB	**POA**
249A	Western Electric logo in stock. Please enquire.	OB/WB	**POA**
250TH	250TH USA made NOS triode with lots of audio output power! Curves in the Vade Mecum or on duncanamps.com 2 Eimac logo & 2 united logo.	OB/WB	**200.00** **4 @ 175.00**
250TH USED	250TH USA made triode with lots of audio output power! Curves in the Vade Mecum or on duncanamps.com Some Eimac logo, some united logo. Please enquire re quantity.	OB/WB	**100.00** **5 @ 90.00**
259A	Western Electric USA. Yellow logo on base.	GVT	**26.00**
262A	Western Electric yellow logo. USA NOS. Tested and guaranteed. One piece only. Near **offers** considered.	GVT	**375.00**
262B	Western Electric yellow logo. USA. Test as used but clean and guaranteed. One piece only. Near **offers** considered.	GVT	**150.00**
272A	Western Electric logo, USA NOS. Mesh plate manufacture. 1950s. Data in "75 years of WE" book.	GVT	**1 @ 80.00**
274A	Western Electric if ever available are GBP900 wholesale.	OB	**POA**
274B	Sylvania. New perfect. When available are GBP650 wholesale.	OB	**POA**
274B	Sylvania, USA. NOS, but getter reduced size. Tested as new, but the getter is reduced in size, therefore sold at half price.	GB	**200.00** **3 @ 180.00**
274B	Western Electric. Yellow logo. USA. NOS. Black anode. Our rivals advertise these at GBP1300. Guide price is GBP800 wholesale.	OB	**POA**
274B	Chinese, NOS tested with guarantee.	WB	**20.00** **10 @ 17.50**
274B / 596	These 596 United NOS USA are nearly identical to 274B, but far cheaper. Connect the side anode connector to the pins on the base, it can replace 274B by means of an adaptor. When available.	WB	**POA**
275A	Western Electric. When available…		**POA**
280	Refer to type 80. We usually have balloon shape 80/380.	GVT	**Refer to 80**
282A	Western Electric. When available…	GVT	**POA**
300B	BILLINGTON GOLD Chinese manufacture. From a special factory, NOT Psvane. Tested. 12 months guarantee. Supplied in matched pairs with individual test certificate. Great audio dynamics and long life. Gold Pin. White ceramic base.	Gold OB	**83.00** **166.00 per pair**
300B	Cossor logo. Chinese manufacture. 3 months guarantee. White ceramic base. Gold pins. New & tested. Our supplier has acquired the right to use Cossor trademark. Great looking tube!	OB	**72.00** **10 @ 70.00**
300B	JJ. When available.	OB/WB	**POA**
300B	Psvane Chinese manufacture. 3 months guarantee. Gold pin. White ceramic base. New and tested.	OB/WB	**80.00**
300B	Shuguang. Chinese manufacture. With guarantee. Good for audio long life and good reliability.	Most OB	**65.00**
300B	Western Electric, USA manufacture. When available.	OB	**POA**
300B	Please refer to **C3M** for a useful driver for the 300B.		

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PLEASE ADD 50 PERCENT RETAIL SURCHARGE FOR ORDERS UNDER GBP240.

BILLINGTON EXPORT LTD

TYPE	COMMENT	BOX	£ GBP PRICE each
	Audio edition 198, page 18.		
300B	Please refer to **RK20** for alternative, not equivalent		
300B LOOK NEW / USED	Chinese. These look new but test as used at approximately 60-90 percent emission. We probably have 40 pieces in stock. We might have at least the following: 16 x Shu-Guang 16 x Cossor Logo by Lin Lai 14 x Psvane	WB	**35.00** **6 @ 30.00** **12 @ 28.00** **40 @ 26.00**
300B USED	Chinese look new, test used. Unused but test result is around 65 percent emission so they are sold at used price. 3 months guarantee. Some Shuguang brown base, some Psvane white base.	WB	**45.00** **16 @ 42.00** **30 @ 38.00**
304H	Eimac. USA, NOS, Tested and Guaranteed. Offers invited. Data www.tubedata.org. Possible audio type. 2 pieces.	OB/WB	**200.00** **2 @ 190.00**
304TH	Eimac. USA, NOS, Tested and Guaranteed. Estimated 1960s manufacture. Possible audio type. Sockets for this tube are made by Zhang in China. Data http://tubedata.itchurch.org/sheets3.html	GVT	**175.00** **3 @ 160.00**
304TL	Eimac or other USA, NOS. Audio type. Data www.tubedata.org	Most GB	**200.00** **4 @ 180.00**
304TL USED	Eimac USA. Possible audio type. Used, tested, guaranteed. Decent appearance, but not new appearance. Sockets for this tube are available. Data http://tubedata.itchurch.org/sheets3.html	Most GB	**75.00**
307A	USA NOS.	OB/WB	**POA**
310A	Russian new. 4 pieces tested, guaranteed.	OB/WB	**60.00**
310A	Refer to 4328D alternative. 310A is UX6 BASE 10V heater. 4328D is octal, 7.5V heater.		
310A / 4328D	NOS STC logo UK. These are 4328D, similar to 310A. 4328D is octal base. 7.5 heater. 310A is UX6 base 10v heater. No other major differences. Data http://electronbin.com/sheets4.html	GB	**28.00** **4 @ 25.00** **40 @ 22.00**
311A	Russian, NOS.	GVT	**18.00** **10 @ 15.00**
316A	USA, NOS. Data www.tubedata.org Suits SE amplifiers, eg a 717A would drive a 316A, with 5670 cathode follower.	OB/WB	**30.00**
328A	Western Electric NOS.	WB	**200.00**
328A	Please refer to **4328A**.		
329A	West German, used tested. Audio pentode similar to 310A. 311A is same as 329A except 311A is 10v heater. Sockets to fit in stock (7E2D).	WB	**10.00**
349A	Chatham and other USA. NOS. This **Thyratron**, with a top cap, anode cap is **NOT** equivalent to Western Electric 349A.	WB	**60.00**
350A	Western Electric USA. Logo, NOS. Offers considered. 1 only.	GVT	**500.00**
350A	Chinese. Shouldered shape. Tested, guaranteed.	OB/WB	**18.00**
350B	Made by Western Electric, but National Union logo. USA. NOS. D getter. Sometimes available.	WB	**400.00**
350B Grade One	Made by Western Electric, but National Union logo. USA made, tested as Grade 1. A small glass rattle. Sometimes available.	G1	**190.00**
354V Grade One	NOS MOV. When available…	G1	**POA**
367	NOS, guaranteed Philips. Data for item www.r-type.org/exhib/aby0014.htm This is NOT a photo of our stock.	GB	**60.00**
393A	Ferranti UK, Tung-Sol etc. UK/USA NOS. 4 pin Thyratron.	OB/WB	**25.00** **6 @ 22.00**
399B	NOS genuine Western Electric audio tubes with logo.	OB/WB	**10.00**
400B	NOS genuine Western Electric audio tubes with logo.	OB/WB	**10.00**
401A	NOS genuine Western Electric audio tubes with logo.	OB/WB	**10.00**
403A	Western Electric logo in stock. Please enquire.	OB/WB	**POA**

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BILLINGTON EXPORT LTD

TYPE	COMMENT	BOX	£ GBP PRICE each
403A	Western Electric audio tubes with logo, NOS, genuine.	OB/WB	**20.00**
403B	Western Electric. Please refer to EF95 / 403B W.E. for detail.	GVT	**12.00**
404A	Western Electric audio tubes with logo, NOS, genuine.	OB/WB	**20.00**
404A USED	Western Electric audio tubes with logo. Used tested, clean genuine. Some printed F-52983.	OB/WB	**12.00**
404A	Refer to **5847.**		
407A	Western Electric logo, NOS. Double triode same as 2C51 / 396A but with a 20V filament.	OB/WB	**20.00**
407A	Equivalent to 2C51.		
407A / 5670	Western Electric logo, NOS. These are 407A WE, double triode same as 2C51 / 396A but with a 20V filament.	OB/WB	**15.00** **8 @ 10.00** **16 @ 9.00**
409A / 6AS6	Western Electric logo, NOS. These are 409 WE, same as 6AS6.	OB/WB	**8.00** **16 @ 6.50**
409B	NOS genuine Western Electric audio tubes with logo.	OB/WB	**8.00**
416A	Western Electric logo in stock. Please enquire.	OB/WB	**POA**
416B	Western Electric logo. 1 only. Gold plated.	OB/WB	**35.00**
417A	Western Electric NOS. Guide price, wholesale GBP80.	OB/WB	**POA**
417A	Exact equivalent to **5842.**		
417A	Please refer to E280F, similar but not equivalent. 417A are very rare, E280F are lower cost and more easily found.		
417A / 6S3P	These are 6S3P USSR NOS, **similar to** 417A. To the untrained eye, the printing on the glass looks like 6C3N. NOS guaranteed. Data for 6S3P at http://www.tubedata.info/ if you have difficulty please contact our office.	OB/WB	**3.00**
417A / PC86	These are PC86, East European. They have some similarities to 417A Western electric. Please refer to data below. These are PC86, pinnacle logo, Zaerix logo etc NOS Clean, guaranteed. This type suits audio tuners. PC86 data http://tubedata.itchurch.org/sheetsP.html 417a data http://www.westernelectric.com/spec_sheets/417A.pdf, or http://tubedata.itchurch.org/sheets4.html	OB/BP	**2.50** **300 @ 1.20**
417A / PTT141	These are PTT141 Thomson logo, NOS, made in France. Grey pin. Tested guarantee. PTT141 data http://tubedata.itchurch.org/sheetsP.html	OB	**20.00** **4 @ 15.00**
418A	Audio tube with clean Western Electric logo, test as used, look decent but not new. Tested and guaranteed. Enquire for quantity.	WB	**25.00**
420A	Western Electric. Use **5755** Raytheon exact equivalent.		
436A	GEC/Marconi with logo/sticker, UK, NOS, audio tube. These are A2674, exact equivalent to 436A. Triple mica OR gold pin OR D getter. Data www.r-type.org/exhib/aam0019.htm	OB	**68.00** **8 @ 58.00**
436A	Western Electric logo. USA NOS. D getter. Audio tube. Exact equivalent to A2674. Data www.r-type.org/exhib/aam0019.htm	WB	**125.00** **4 @ 120.00**
436A **Grade One**	GEC logo, UK, Grade One. Audio tube, these are A2674, exact equivalent to 436A. Data www.rtype.org/exhib/aam0019.htm	G1	**50.00** **4 @ 45.00**
436A **Grade One**	Western Electric logo. USA D getter. Audio tube. Exact equivalent to A2674. Test As Grade 1 with small stains in glass and pins. Data www.r-type.org/exhib/aam0019.htm	WB	**75.00** **2 @ 70.00**
437A	When available. Guide price GBP450 wholesale. Try these alternatives (not equivalent) EC8010, 3A-167M, 436A. The 436A pentode can be wired up as a triode, similar to 437A.	OB/WB	POA
446A	RCA / GE. USA. NOS.	OB/WB	**7.50** **10 @ 4.00**
448A	Western Electric logo in stock. Please enquire.	OB/WB	**POA**
450TH	Eimac USA. Huge NOS audio output triode. Data in Vade Mecum or duncanamps.com. Please allow time for testing.	OB/WB	**2 @ 140.00**

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BILLINGTON EXPORT LTD

TYPE	COMMENT	BOX	£ GBP PRICE each
450TH	450TL is a very similar item.		
450TL	NOS, probably made by Eimac USA, but has Hitronic logo. Huge NOS audio output triode. More than 30cm tall. Please allow time for testing. Data in Vade Mecum or duncanamps.com	OB/WB	**2 @ 140.00**
484LFU60A	UK/USA NOS. Good quantities in stock. Please enquire.	Most OB	**POA**
485	Audio tube. USA. NOS. Tested.	OB/WB	**30.00**
505	Philips. NOS. Balloon shape.	OB/WB	**80.00**
572B	Psvane China. Suits lower frequencies. With guarantee. Tested new.	OB	**45.00**
572B	Shuguang, China. New, tested guaranteed. Classic quality audio sound. Suitable for higher frequency and audio applications.	WB	**45.00**
572B	USA NOS. Rare. Please enquire for pricing.	OB	**POA**
572B Grade One	Psvane China. Tested as Grade 1, guaranteed. Suitable for LF and audio applications below 50 MHz. Manufacturer's data specifies anode handles 1250v. Suggested operating conditions are for anode 1450V, 20V grid.	G1	**27.00**
572B USED	Shuguang, China. Used, tested guaranteed. Classic quality audio sound. Suitable for higher frequency and audio applications.	WB	**18.00**
596	United logo USA NOS. A rectifier similar to 274b but has top cap. 1 only. Data http://tubedata.itchurch.org/sheets52.html and www.radiomuseum.org/tubes/tube_596.html	OB/WB	**POA**
616G	Brimar logo UK, NOS. Black glass. Tested, with guaranteed.	GVT	**61.25** **2 @ 60.00**
701A USED	Western Electric logo. Used but tested used. Near offers invited. 1 only.	OB	**Near offers invited 100.00**
705A	Western Electric or Raytheon. USA, NOS, logo. In stock. Half-Wave Rectifier 1940s made. Tube data: Vf=5.0V, If=5000ma, Va=30000V, IK=50mA, S=mA/V, Pa=W.	OB/WB	**15.00** **10 @ 12.00**
710	NL710. USA NOS.	OB/WB	**41.00**
715B	STC UK and a few USA made NOS. An STC version is printed P535-1E. Data http://www.r-type.org/exhib/abh0111.htm The above link also shows a photo of someone else's stock, just as a guide.	Mostly GBox	**52.50** **4 @ 42.50**
715C	GE USA. NOS. Also a few pieces 715B USA NOS at the same price. There are 10 pieces, GE 715C. Data http://tubedata.itchurch.org/sheets7.html	Mostly GBox	**POA**
715C	6 pieces P535-1 STC UK NOS, Equivalent to 715C. 20 pieces, GE USA NOS 715C. Data http://tubedata.itchurch.org/sheets7.html	OB/WB	**47.50** **6 @ 45.00** **26 @ 40.00**
717A	Raytheon logo USA NOS.	OB	**13.00**
717A Grade One	Western Electric, Tung-Sol /Raytheon. USA test as Grade One. Many have GVT boxes printed "West Electric/Raytheon".	G1/GB	**10.00**
719A	Western Electric and other USA NOS. 25KV rectifier. Data www.radiomuseum.org/tubes/tube_719a.html Data www.tubedata.org	GB	**8.00** **20 @ 6.00**
723A	Western Electric logo in stock. Please enquire.	OB/WB	**25.00** **8 @ POA**
750TL	NOS, Eimac USA, 1 only. NOS audio output triode. More than 30cm tall. Data in Vade Mecum or duncanamps.com one piece only.	OB	**280.00**
7403	UK/USA NOS. Good quantities in stock. Please enquire.	Most OB	**31.00** **Bulk @ POA**
7408	USA used tested 1 or 2 pieces. We may have NOS at twice this price. Please enquire.	WB	**25.00**
800	Amperex USA. NOS unused. Tested, guaranteed. The getter splash is imperfect tense reduced price. 1 piece.	WB	**70.00**
801A / VT62	USA NOS. Rare item. Guide price GBP80 wholesale.	OB/WB	**POA**
801A	USA. Tested as Grade One. 2 pieces that look the same, Taylor	G1	**50.00**

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TYPE	COMMENT	BOX	£ GBP PRICE each
Grade One	brand. 1 piece RCA, white ceramic base. 1 piece RCA brown base. Near offers considered for 4 pieces.		**4 @ 40.00**
802	Various USA brands.	OB/WB	**6.00** **20 @ 5.00**
803	Mix USA NOS.	OB/WB	**25.00**
804	RCA USA NOS. Transmitter pentode with some similarities to 813 but not equivalent. Potential audio type.	GB	**30.00** **20 @ POA**
805	Chinese. Tested with guarantee. Audio triode. Partly similar to 211/VT4C/845. Data http://scottbecker.net/tube/sheets8.html	OB	**60.00** **5 @ 40.00**
805	RCA or GE, USA made. Possibly in sets of 2 the same brand & appearance.	**OB/WB**	**165.00** **2 @ 160.00** **4 @ POA**
805 **Grade One**	RCA or GE USA, with logo. Tested as grade 1, with 80+ percent emission. Slight scratches on the metal base. Guaranteed.	**G1**	**120.00** **2 @ 100.00** **4 @ POA**
807	**BILLINGTON GOLD**, Russian. With guarantee. Please refer to page 6 for full details. Audio pentode.	OB	**9.00** **50 @ 8.25**
807	Brimar logo or Cossor logo, UK NOS. 1940s made. White ceramic base. Tested/guaranteed.	GB	**60.00** **Bulk @ POA**
807	Cossor logo, UK made NOS. Brown base.	OB/WB	**20.00**
807	NOS. 4 or 8 pieces of each of the following: GE, Marconi, Raytheon, Westinghouse. Clean new. Tested . Sets of 2 or 4 identical should be available. Logo and guarantee.	OB/WB	**16.00** **8 @ 14.00** **32 @ 12.50**
807	8 Hytron, 16 Sylvania, shoulder shape. High quality tubes.	OB/WB	**15.00** **8 @ 14.00** **24 @ 13.00**
807	Mazda France NOS & tested. Brown base, guaranteed, logo. 6 pieces, all the same appearance.	GB/WB	**20.00**
807	Mullard UK made NOS, brown base with logo.	WB/OB	**20.00** **4 @ 18.00**
807	National Union. In set of 2 or 4 pieces identical appearance.	OB/WB	**17.00** **8 @ 14.00**
807	Philips UK / Holland made NOS, brown base. Most have logo. Tested as NOS and guaranteed.	OB/WB	**20.00**
807	RCA logo, USA NOS. A great looking high quality tube.	OB	**16.00** **8 @ 15.00**
807	Russian. New tested guaranteed. Audio pentode.	OB/WB	**8.00** **4 @ 7.00** **50 @ 6.50** **100 @ 5.00**
807	Approximately x16 Westinghouse logo USA NOS, shoulder shape. High quality audio tubes.	OB/WB	**15.00** **8 @ 14.00** **16 @ 13.00**
807 / 5933	Please refer to 5933 on approx page 73 of this catalogue, for up-to-date prices.	Most GB	
807 / HY60	These HY60 are similar to 807 with the same pin out, but HY60 are lower power and MUCH cheaper. 807 heater is 0.9A, HY60 heater is 0.5A. 807 transconductance is 6000 umhos, HY60 transconductance is 4100 umhos. Data: http://www.tubedata.info/ if you have difficulty please contact our office. Both UX5 base shoulder shape. Hytron logo USA NOS, white **ceramic** base. Tested, guaranteed. Uniform.	OB/WB	**10.00** **16 @ 8.00**
807 **Grade One**	Brimar / Cossor. All UK with logo & white ceramic base. Not new but decent appearance. Tested around 80 percent emission with good print and guarantee.	G1	**45.00** **8 @ 35.00** **20 @ 33.00**

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BILLINGTON EXPORT LTD

TYPE	COMMENT	BOX	£ GBP PRICE each
807 **Grade One**	Fivre Italy NOS & tested. 16 pieces all same appearance.	G1	**16.00** **4 @ 15.00**
807 **Grade One**	Mullard Grade 1.	G1	**15.00** **8 @ 12.50**
807 **Grade One**	RCA logo, guaranteed, uniform. Not new appearance but decent appearance. Test as grade one.	G1	**9.00**
807 USED	8 x Cossor logo, 8 x Brimar logo. White Ceramic base. All UK, tested approx 65 percent emission. Guaranteed. Decent appearance.	G1	**30.00** **8 @ 23.00** **12 @ 22.00**
807 USED	Approx 10 pieces of each of the following. Marconi, Raytheon, Sylvania, RCA and Westinghouse. Clean but not new. Sets of 4 identical should be available. Logo and guarantee.		**7.00** **10 @ 6.00** **40 @ 4.50**
807	Please refer to **5933** or to **5B-254M** which is the same electrically but has a different base [loctal not UX5]. 5B-254M STC UK is cheaper than UK/USA 807.		
807	Please refer to **307A** for possible alternative, not equivalent with different electrical characteristics.		
808	RCA, GE, or other USA NOS. Clean, tested and guaranteed. Please enquire. Made 1945-1955 approx. UX5 base audio triode. Similar to 811A. Top cap anode cap from stock. Data www.tubedata.org photo/data www.r-type.org/exhib/aac0011.htm	Most GB	**90.00** **4 @ POA**
809	RCA, Cetron etc. USA. NOS. UX4 base **Audio triode with logo**. Partly similar to 811A and 2A3. Data http://tubedata.itchurch.org/sheets8.html	Most GB	**20.00**
810	Chinese, tested with guarantee.	OB/WB	**45.00**
810	USA, NOS. RCA, GE & other brands.	OB/WB	**95.00**
810 **Grade One**	Audio power triode, some similarities to 845, 211, though not equivalent. NOS. USA made. Heater is 10v at 4.5A, 125 watts, Mu is 36. RCA Taylor CBS. Data pdf http://www.r-type.org/exhib/abh0308.htm	G1 box / WB	**60.00**
810 USED	USA, with logo. Tested as used, with 65-75 percent emission guaranteed. Fairly clean.	WB	**45.00**
811	RCA USA NOS. Logo. Tested/guarantee. Sets of 2 pieces same appearance. Very near equivalent to 811A, compare data for both tubes at https://frank.pocnet.net/sheets8.html	OB/WB	**40.00** **4 @ 36.00**
811A	BILLINGTON GOLD, Chinese. Tested/guarantee. If available.	OB	**50.00**
811A	Psvane Chinese. Tested/guaranteed.	OB	**37.50** **8 @ 33.00**
811A	Chinese Shuguang. If available. Tested/guarantee.	OB	**40.00**
811A	RCA or Sylvania USA NOS. Tested logo and guarantee. Sets of 2 pieces same brand & same appearance. GBP 50 per tube.	Most GB	**50.00**
811A	RCA or Sylvania USA NOS. Tested logo and guarantee. Singles. None are 2 pieces of same brand.	OB/WB	**40.00**
811A	Russian - black or brown base with top cap. Guide price GBP 40 wholesale.	OB	**POA**
811A	Please refer to 572B for superior quality item.		
811A/811 USED	4 pieces RCA logo, all look the same. 4 pieces Sylvania logo, all look the same. Used, tested/guaranteed. USA made. Decent appearance.	Most GB	**25.00**
812A	USA. RCA logo. NOS. Audio triode. 4 pieces look the same.	OB	**50.00** **4 @ 40.00**
812A	Chinese, new tested.	WB	**25.00** **6 @ 18.00**
813	Chinese, new tested guaranteed.	OB/WB	**52.00** **4 @ 42.00**
813	Russian, new tested guaranteed.	OB/WB	**2 @ 50.00**
813	USA and Western European brands, excludes RCA.	OB/WB	**95.00**

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BILLINGTON EXPORT LTD

TYPE	COMMENT	BOX	£ GBP PRICE each
	Includes KenRad, National Union, 16 x RCA, Westinghouse, Sylvania & other USA. NOS and tested. Sets of 2, 4 or more of the same brand & same appearance.		4 @ 90.00 16 @ 85.00 24 @ 80.00
813	USA / West European. NOS. All are 'singles', none are sets of 2 the same brand. Amperex, CBS, GE, Philips, Raytheon & Sylvania.	OB/WB	60.00 6 @ 55.00
813 Grade One	8 RCA, 2 Mullard. Grade 1 = used and tests 80 percent emission minimum. Clean appearance. Sets of 2 same brand / appearance.	G1 box	90.00 2 @ 80.00 8 @ 70.00
813 USED	USA/ UK brands. Rare. A few available. Tested guaranteed.	WB	30.00
814	USA, UK NOS. Includes VT154.	WB	25.00 4 @ 20.00
814 Grade One	USA, UK mixed brands. New and unused but poor getter appearance due to long term storage so reduced price. Used, will be tested as new.	G1	15.00 16 @ 12.00
816A	USA. NOS.	OB/WB	27.50
826	USA. NOS and guarantee.	OB/WB	26.00
828	RCA logo USA NOS, tested guaranteed. Powerful vintage audio pentode. We have sockets to fit, in stock. Data Vf=10V, If=3250mA, Va=1250V, Ik=160mA & http://www.tubedata.info/ if you have difficulty please contact our office.	GVT	52.00
828 USED	Mix UK, USA Hungary. Used guaranteed. Powerful audio pentode. Data etc above.	WB	26.00 4 @ 22.00
829B / 829A	A-T-E-S logo NOS. Made in Italy. 12 pieces the same appearance. Tested/guaranteed. Audio type. Vade Mecum data shows that 829A is equivalent to 829B, copy of Vade Mecum data on request. 829A data: https://www.radiomuseum.org/tubes/tube_829a.html#google_vignette	OB/WB	15.00 12 @ 12.50
829B	Westinghouse logo. Unsure if these are Russian or USA made. Tested/guaranteed NOS. Audio type.	OB/WB	10.00
829B	USA. Used, tested.	WB	7.00
829B / 3E29	RCA logo USA NOS, and other USA brands. Sets of 2 or 4 pieces the same. Tested/guaranteed NOS. Audio type. These 3E29 are equivalent to 829B. Data on request.	Most GB	16.00
830B	USA NOS. Sometimes in stock. Audio tube.	OB/WB	48.50
832 / A	West European / USA, NOS. Guaranteed. Audio tube. Some are QQV04-15 Mullard equivalent.	OB/WB	12.00
833A / 833C	New Chinese. Tested, guaranteed. A huge audio triode. Socket and top cap available.	OB	172.50
833A	NOS USA if available. Guide price GBP240 wholesale.	OB/WB	POA
833A	RCA USA NOS. 4 pieces in stock. Will be tested & working when we receive your order. Quantity is subject to passing test at that time. Guaranteed 6 months from despatch date. Huge high power audio triode. We can help with sockets and top caps. Sets of 2 pieces of the same appearance.	WB	400.00 4 @ 350.00
833A	RCA USA with poor getter splash. These are tested working/guaranteed, but the getter has almost disappeared therefore reduced price!	WB	50.00
836	Cetron USA. NOS, clean, tested, and guaranteed, with logo. Potential audio type. With some similarities rectifier type U19. Data Vf=2.5V, If=5000mA, Va=5000V, Ik=250mA. Sockets to fit these in stock. See extra information under U19/836.	OB/GVT	20.00 20 @ 12.50 80 @ 12.00
837	RCA / other USA. NOS, clean, tested, and guaranteed, with logo. Potential audio type, some similarities to 807. Data: http://www.tubedata.info/ if you have difficulty please contact our office. Sockets to fit these in stock.	OB/GVT	6.00 4 @ 5.50 50 @ 4.50
837	USA NOS with logos. Audio pentode which could be strapped up for	OB/WB	5.00

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TYPE	COMMENT	BOX	£ GBP PRICE each
	triode mode also. Triode curves maybe available on request. Data: Vf=12.6V, If=700mA, Va=500V, Ik=80mA. More data/photo http://tubedata.itchurch.org/sheets8.html		**30 @ 4.00**
838	USA NOS with logo. Audio triode. 2 x RCA that look the same. 2 x United that look the same. Similarities to 211 audio triode but not equivalent. Data/photo http://tubedata.itchurch.org/sheets8.html	OB/WB	**80.00** **4 @ 75.00 per tube**
843	USA NOS with logo. Audio triode. Coke bottle shape.	OB/WB	**32.00**
843	USA NOS with logo. Audio triode. Balloon shape.	OB/WB	**50.00**
845	BILLINGTON GOLD logo, Chinese manufacture. Tested, 12 month guarantee. These Chinese tubes have seen vast quality improvements over recent years & receive favourable reviews in the hi-fi media.	OB	**83.00** **10 @ POA**
845	Shuguang Chinese manufacture. Tested 90 day guarantee.	WB	**75.00** **20 @ 70.00**
845 / ACT6	MOV, GEC UK. NOS.		**150.00** **2 @ 140.00**
845 / ACT6 **Grade One**	MOV, GEC UK. Probably NOS but store soiled appearance. Sold as Grade One. These are ACT6 GEC/CV1222/NT39, ACT6 and 845 have the same base (jumbo 4 pin) but different pin out. ACT6 has metal cooling fins. 845 filament, 3 amps, ACT6 = 1.65 amp gm for ACT6 is 5ma/v, 845 is 3.1ma/V. Maximum anode dissipation for ACT 6 is 75 watts Amplification factor is 22. Anode impedances 4.2 K ACT6 data/photo https://www.radiomuseum.org/tubes/tube_act6.html	G1 Box	**100.00** **4 @ 60.00**
845	**Please consider CV2231 as a driver for 845.**		
845	USA. Very rare. Please ask.	GB	**POA**
845B	Shuguang Chinese manufacture. Rare, please ask.	OB/WB	**POA**
866A	Mixed West Europe / USA. Mixed brands.	OB/WB	**30.00** **5 @ 25.00** **16 @ 17.00**
866A / 5561	These are 5561 GE, RCA, USA NOS. Partly similar to 866A but 5561 handles 4 amps, whereas 866A is 1amp. 5561 data https://frank.pocnet.net/sheets5.html	OB/WB	**25.00** **10 @ 15.00**
866A / DCG4-1000	These are DCG4-1000. They are electrically the same as 866A but these have Edison screw base. Philips West European made NOS.	OB/WB	**25.00** **10 @ 15.00**
872A	RCA and other USA made. NOS. Tested and guaranteed. Rectifier. Data on request.	Most GB	**35.00**
872A	Chinese new. New, tested and guaranteed. Rectifier. Data on request.	OB/WB	**25.00** **25 @ 20.00**
872A / 8008	These are 8008 or ESU8008. Huge audio rectifier, equivalent to 872A, 10,000v anode. RCA USA, Ediswan UK. Sets of 2 pieces of the same appearance. Data: http://www.tubedata.info/ if you have difficulty please contact our office.	OB/WB	**30.00** **8 @ 25.00**
872A / ESU74	These are ESU74 GEC UK NOS. Huge audio rectifier, slightly similar to 872A, 21cm tall. ES base. Filament voltage 4V, filament current 12A. Max mean anode power 100W. Max PIV 65kV. Min total emission 2.5A.	OB/GB	**20.00** **16 @ 15.00**
872A / ESU112	These are ESU112 STC ITT UK NOS. Huge audio rectifier, slightly similar to 872A, 21cm tall. Filament voltage 4V, filament current 12A. estimated anode power 100W. Max PIV estimated 50KV.	GB	**20.00** **16 @ 15.00**
874	RCA and other USA NOS. A 1920s made rectifier**. Balloon** shape. Photo http://www.radiomuseum.org/tubes/tube_ux874.html Data http://tubedata.itchurch.org/sheets81.html	OB/GVT	**12.00** **10 @ 10.00**
874	RCA and other USA NOS. **A rectifier. Shoulder shape**. Photo http://www.radiomuseum.org/tubes/tube_ux874.html	OB/GVT	**6.00** **10 @ 5.00**

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TYPE	COMMENT	BOX	£ GBP PRICE each
	Data http://tubedata.itchurch.org/sheets81.html		
8102	Made in West Europe or USA NOS. We have good quantities in stock. Please enquire.	Most OB	**POA**
8103	Made in West Europe or USA NOS. We have good quantities in stock. Please enquire.	Most OB	**POA**
8106	UK/USA NOS. Good quantities in stock. Please enquire.	Most OB	**9.00** **Bulk @ POA**
8136	UK/USA NOS. Good quantities in stock. Please enquire.	Most OB	**3.00** **Bulk @ POA**
918	UK/USA NOS. Good quantities in stock. Please enquire.	Most OB	**POA**
920	UK/USA NOS. Good quantities in stock. Please enquire.	Most OB	**POA**
920 / GS149	NOS. UK or USA. 14 in stock. Photocell.	OB/WB	**10.00**
926	USA NOS. Photo cell or similar. 10 pieces.	GVT/WB	**17.00** **Bulk @ POA**
928A	USA brands including RCA, also ATES brand West European. NOS.	OB/WB	**10.00**
930	UK/USA NOS. Good quantities in stock. Please enquire.	Most OB	**11.00** **Bulk @ POA**
931A	RCA, USA. NOS with guarantee.	Most GVT	**12.00**
954	USA NOS.	WB/GVT	**4.00**
955	USA NOS. RCA, GE etc. Maybe a few CBS.	GVT/WB	**5.00** **100 @ POA**
955	Refer to **9002** for identical item with different base. 955 uses 'acorn base' that is impossible to find. 9002 uses B7G socket, in stock.		
956	USA NOS. RCA, CBS etc. Photo & data http://www.r-type.org/exhib/aaa0109.htm	OB/WB	**4.40** **4 @ 4.00** **50 @ 3.30**
957	USA NOS "Acorn valve" RCA etc.	GVT/WB	**2.40** **25 @ 1.70**
958A	USA NOS. RCA, CBS etc. Photo/data http://www.r-type.org/exhib/aai0061.htm	OB/WB	**6.00** **12 @ 4.00** **70 @ 3.60**
1005	Raytheon logo USA NOS. Mostly printed VT195. Black metal, octal base. Data: Vf=6.3V, If=600mA, Va=160V, 70mA DC output 450V PIV. Gas filled AUDIO RECTIFIER. Important, please read the CK1005 / VT195 data sheet at http://tubedata.itchurch.org/sheetsC.html. 1005 is a gas filled FULL-WAVE rectifier. Full-wave rectifiers convert the WHOLE of the input wave into a constant pulsating direct current at a higher output voltage.	Most GB	**5.00** **20 @ 3.50** **100 @ 1.00** **300 @ POA**
1005	Equivalent to VT195, CK1005. JAN Raytheon logo USA NOS. Audio rectifier. More data http://tubedata.itchurch.org/sheets1.html	GB	**3.50** **16 @ 2.50** **100 @ 1.50**
1006 = CK1006	NOS & guaranteed. RSD logo believed USA made. Full wave rectifier. Inert gas filled. UX4 base. Operating peak anode 800V. DC output 550V. DC output 200mA. Cathode may be either directly or ionically heated; ionic heating only possible for output current in excess of 70mA. Peak inverse anode 1600V. Data www.radiomuseum.org	OB/WB	**33.00** **10 @ 30.00** **40 @ 28.00**
1007	CK1007. JAN Raytheon logo USA NOS. Silver metal. Audio rectifier. Data: Vf=1.0V, If=1200ma, Va=980V, Ik=110ma. More data http://tubedata.itchurch.org/sheets1.html	GB	**3.00** **5 @ 2.40** **100 @ 1.80**
1007 **Grade One**	USA with logo, CK1007. Silver or black metal. Audio rectifier. Grade One. Data: Vf=1.0V, If=1200mA, Va=980V, Ik=110mA.	G1	**1.80** **50 @ POA**
1616	RCA/Haltron, USA with logo. NOS, clean, tested with guarantee. Audio type. Data: Vf=2.5V, If=5000mA, Va=6000V, Ik=130mA.	OB/GVT	**3.60** **60 @ 3.00**
1619	USA NOS. RCA or Kenrad. Black metal, almost identical to 6L6 but 1619 has 2.5 volt directly heated filament.	OB/WB	**9.00** **Bulk @ POA**

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TYPE	COMMENT	BOX	£ GBP PRICE each
1619 **Grade One**	USA RCA. Tests as Grade One, used but decent appearance.	G1	**5.00** **40 @ 3.50**
1622	RCA, USA. Equivalent to 6L6. Refer to 6L6 for wholesale special offers.	GVT/WB	**14.00**
1624	Kenrad / RCA USA. NOS. Possible alternative to 6L6G and 807, but 2.5V heater.	GB/WB	**16.00** **8 @ 14.00**
1625	Mostly RCA & a few Sylvania etc. All USA NOS with logo. Arrive at BEL office soon.	OB/WB	**12.00** **8 @ 10.00** **40 @ 9.50**
1626	USA NOS. Similar to 6J5G but different heater.	OB/WB	**7.20**
1629	**RCA** NOS. Magic eye indicator. 7 currently in stock	OB/WB	**20.00**
1802	Philips. NOS. Please enquire for price.	OB/WB	**Stock**
1805	Philips. NOS. Balloon shape.	OB/WB	**25.00**
1821	Philips Mullard. NOS. Balloon shape. Data for REN1821 equivalent at data: http://www.tubedata.info/ if you have difficulty please contact our office.	OB/WB	**40.00** **4 @ 30.00**
1821 **Grade One**	Philips, Mullard. Shoulder shape. Audio rectifier.	OB/WB	**13.00** **8 @ 11.00**
1821 USED	Philips Mullard. Used, tested. Balloon shape. Data for REN1821 equivalent is above.	OB/WB	**20.00** **6 @ 15.00**
1905	Mullard. UK/USA NOS. Good quantities in stock. Please enquire.	Most OB	**6.00** **Bulk @ POA**
2050	Brands including GE RCA, USA made. NOS. Data http://tubedata.itchurch.org/sheets2.html	OB/WB	**12.00** **15 @ 10.00** **40 @ 9.00**
2050A	GE USA brands. NOS. Useful for audio e.g. juke boxes. Data http://tubedata.itchurch.org/sheets2.html	OB	**12.00** **20 @ 9.00**
2050W	Raytheon or Chatham USA. NOS. Useful for juke boxes. Data http://tubedata.itchurch.org/sheets2.html	OB/WB	**13.00** **20 @ 10.00**
4019B	Near equivalent to **3A-107B**, STC logo, UK. NOS. Tested guaranteed. Audio triode. Socket to fit in stock. Ref SOC4B4-B5A.	OB/WB	**75.00** **2 @ 70**.00
4020A	STC, UK. NOS audio triode. Data: Vf=4.0V, If=250mA, Va=190V, Ik=16mA, S=2.2mA/V. Data www.tubedata.org. UV4 sockets to fit this are available.	GVT	**50.00**
4020A **Grade One**	STC, UK NOS. Audio triode. Tests as Grade One. Refer to 3A-108A equivalent elsewhere in this catalogue.	G1	**37.50**
4020A USED	STC logo, UK. Used, tests 65-75 percent. Guarantee. Audio triode. Refer to 3A-108A equivalent elsewhere in this catalogue.	WB	**25.00**
4033L **Grade One**	STC red logo. Tests as Grade One. Audio triode with similarities to 300B, PX4. Data in the 4033L NOS section, below. The 1 piece NOS below and this 1 piece Grade One make 2 pieces identical appearance.	G1	**100.00**
4033L	STC with red logo. NOS tested. Data: Vf=6.3V, If=1400ma, Va=600V, Ik=90mA, S=9.0mA/V, Pa=25W. Equivalent to 3B-252M. Data for 3B-252M www.tubedata.itchurch.org/sheets3.html The 1 piece NOS and the 1 piece Grade One make 2 pieces identical appearance.	GVT	**175.00**
4033X	STC UK NOS. 2 pieces look the same. Triode with some similarities to 300B. 4033L is very similar. 4033L data via the search engine at www.mif.pg.gda.pl/homepages/frank/vs.html	GB	**180.00** **2 @ 160.00**
4033X USED	STC UK. Used, tested, 2 pieces look the same. Data in the other 4033X paragraph.	WB	**90.00** **2 @ 80.00**
4042	RCA USA. This type is needed in signal generator H.P.608E.	OB	**8.00**
4043	RCA USA. RCA logo. Equivalent to 5876A. This type is needed in signal generator H.P.608E. Please note this is not an audio tube. Clean, uniform and guaranteed. These are very clean NOS tubes in	OB	**3.00** **10 @ 1.67** **1,000 @ 1.50**

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TYPE	COMMENT	BOX	£ GBP PRICE each
	original sealed packets with plastic end terminal connectors on them.		
4043C	STC UK. NOS. Audio triode. When available are GBP150 wholesale.	OB WB	**POA**
4045A **Grade One**	STC large audio pentode. NOS. Study the data here www.tubecollector.org/4045a.htm. A large audio pentode that could be strapped up as a triode. Balloon shape, looks similar to PX25. Tests nearly new, getter imperfect, so sold at grade 1 price.	G1	**230.00** **4 @ 220.00**
4069A	NOS audio pentode that could be strapped up as a triode. Balloon shape.	OB/WB	**POA**
4074	RCA USA. This type is needed in signal generators. Uniform and guaranteed. These are very clean NOS tubes in original sealed packets. They are not equivalent to, or similar to, 2C34.	GB	**6.00** **5 @ 5.00**
4211E	STC logo. NOS. Black base, top pip glass. Tested. Looks new. 4211E is similar to GE211and 211A. On special offer, this month only. More data http://tubedata.itchurch.org/sheets4.html	WB	**500.00**
4212H	Please refer to MZ2-200 for near equivalent		
4212H	STC UK. NOS. Very rare. Occasionally available.	OB/WB	**POA**
4212H	STC logo UK. NOS. Very rare. 1 only. See through zirconium getter. Tested. Guaranteed and clean. Photo available quickly. Sorry, no discounts of any sort and/or no near offers.	GB	**1,200.00**
4212E	**PLEASE REFER TO 5C-450A.** 5C-450A is a pentode, but could be strapped to give 100W single ended, partly similar to 4212E.		
DISPLAY ITEM **4212E**	STC logo, UK. Famous huge audio triode that have failed our testing but would make a great display item. 4 pin base well over 40 cms tall.		**30.00** **5 @ 24.00**
4300A	STC UK NOS. Black anode, D getter. GBP1,300 wholesale when available.	OB/WB	**POA**
4300B	BILLINGTON GOLD UK logo**.** Chinese Gold plated pins. Higher heater current compared to 300B. Tested, guaranteed. The last 4 pieces 4300B we have.	OB	**70.00**
4304CB	STC / ITT UK. CV315-DET12. NOS. When available, POA		**POA**
4304CB / 8019 / DET12	UK/ USA NOS. Tested. Audio triode. These are 8019 or DET12, equivalent to 4304CB. 3 pieces, 3 different brands. Data www.r-type.org/exhib/aab0109.htm	GVT	**100.00**
4310A	STC white logo. UK NOS.	OB/WB	**100.00**
4328A	STC logo UK NOS. Possible alternative, not equivalent to 310A.	GB	**50.00**
4328D	NOS STC logo UK NOS. Similar to 310A. Refer to data in the other 4328D section, below. 2 pieces NOS in stock. 100 pieces NOS from my supplier with quick delivery.	GB	**55.00** **2 @ 54.00** **100 @ POA**
4328D USED	STC logo UK NOS. Similar to 310A. (4328D is octal base. 7.5 heater. 310A is UX6 base 10v heater.) Data: http://www.tubedata.info/ if you have difficulty please contact our office.	GB	**28.00** **4 @ 25.00**
4635	RCA NOS. These are 4635 tubes RCA USA NOS. They have similarities to 4CX5000A, 4CX10000D and 4CX15000R, but not equivalent. Guaranteed 6 months from despatch date. Data for all 4 of the types mentioned above: https://frank.pocnet.net/sheets41.html & https://frank.pocnet.net/sheets4.html	OB/WB	**200.00** **3 @ 150.00**
4657	RCA, USA. NOS. 90 day guarantee. Equivalent 8072.	OB/WB	**25.00**
4662	Philips, Holland. NOS. 90 day guarantee. Testing can be arranged. Rare antique tuning indicator.	OB	**120.00**
4687	Philips logo. Made in Holland. NOS guaranteed. Data: http://www.tubedata.info/ if you have difficulty please contact our office.	OB	**20.00** **30 @ 16.00**
4687K	Philips logo. Super quality. Made in Holland. NOS tested guaranteed. Data: http://www.tubedata.info/ if you have difficulty please contact our office.	OB	**20.00** **30 @ 16.00**

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TYPE	COMMENT	BOX	£ GBP PRICE each
4896B / V5	RCA USA. NOS. Mint. Photomultiplier or Vidicon.	Most GVT	**200.00** **10 @ 180.00**
42430	UK/USA NOS. Good quantities in stock. Please enquire.	Most OB	**POA**
5517	USA, NOS.	OB/WB	**7.00** **40 @ 6.00**
5544	UK. NOS.	GVT	**POA**
5545	Please refer to **PL5545A.**		
5551 / GL-5551A	Ignitron USA NOS. We cannot test this item. Sold with a 6 month guarantee.	WB	**100.00**
5560	USA NOS. Thyratron, partly similar to 5557.	Most OB	**60.00** **6 @ POA**
5639	Please refer to EL84 / 5639.	WB	
5643	USA. NOS. Sub-miniature thyratron; 500v PIV, 22mA anode current.	Mostly OB	**2.50** **100 @ 1.50**
5642	RCA, GE or Sylvania. NOS. Most with logos.	Mostly OB	**3.00** **80 @ 2.50**
5644	Raytheon, NOS. Potential audio type. Data http://tubedata.itchurch.org/sheets5.html **Lowest Prices.**	GVT	**3.50** **5 @ 2.67** **100 @ 2.00** **500 @ 1.80** **2,000 @ 1.20**
5647	Made by Sylvania, USA but printed 'Heintz'. NOS potential audio tube. Data http://frank.yueksel.org/sheets/137/5/5647.pdf	OB	**11.00** **8 @ 8.00** **50 @ 7.00**
5647	Made by Sylvania USA NOS. Data http://frank.yueksel.org/index.html	Most OB	**11.00** **100 @ 9.00**
5647	UK/USA NOS. Good quantities in stock. Please enquire.	Most OB	**11.00** **Bulk @ POA**
5654	Please refer to Mullard, **CV4010.**		
5656	Raytheon/JAN logo. NOS. Clean and guaranteed. Possible audio double tetrode with B9A base. All identical and perfect condition. Data: Vf=6.3V, If=400mA, Va=150V, Ik=15mA, S=5.8mA/V. Utilise as a high frequency driver or QRP VHF final. Audio tetrode. Data www.tubedata	GVT	**4.00** **100 @ POA**
5670	Chinese made. NOS. Good quality audio double triode. Tested. With guarantee. Data http://tubedata.itchurch.org/sheets5.html Please add 0.25GBP per tube if white box required. Near offer considered if ordering 500+ pieces. Suitable for microphones such as Soundelux E251.	BP	**2.50** **100 @ 2.00**
5670 / 2C51 / 18C51	These are 18C51 Ericsson logo NOS. Sweden. They are the same as 2C51/ 5670 5 except 18C51 has an 18 volt heater. A fairly rare, high-quality brand. Near offers considered for 100 pieces.	**OB**	**7.00** **2 @ 6.66** **20 @ 5.00** **100 @ 4.00**
5670	GE JAN green logo. USA made NOS. Guaranteed.	GB	**15.00**
5670	GE green logo NOS 1960s made. Tested, guaranteed. Big "O" getter, USA made. Tested, guaranteed.	GB	**10.00** **100 @ 8.00**
5670	O getter USA made. NOS. Most with logo. Clean, guaranteed. Many are black anode.	OB/WB	**6.50**
5670	D getter or triple mica. USA or French. NOS. Tested, guaranteed. Most have logo. GE, RTC, RCA, Westinghouse etc. Please enquire for actual stock.	Most GB	**10.00** **10 @ POA**
5670 USED	RCA logo, triple mica, black anode. USA made. Used, tested, strong.	WB	**6.00** **20 @ 5.00**
5670 USED	Mixed brands USA made. Used, tested. Some circle getter, some square getter.	WB	**6.00** **20 @ 5.00**
5675	UK/USA NOS. Good quantities in stock. Please enquire.	Most OB	**31.00** **Bulk @ POA**

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TYPE	COMMENT	BOX	£ GBP PRICE each
5676 / CV9260	Mullard, UK NOS. These are CV9260, similar to 5676 but CV9260 has a larger glass bulb. Use the search engine at this link to find 5676 data http://www.mif.pg.gda.pl/homepages/frank/vs.html	Most OB/GVT	**3.00** **50 @ 2.50**
5678	CK5678 USA made Raytheon. NOS audio pentode. Vacuum Tube. Valley magazine issue 13 says these would make good audio pentodes with low distortion and low noise. Sub-miniature. Can operate on just 45V DC anode so can operate directly from 48V phantom power supply. Broadband pentode. Heater is 1.25V at only 50 mA so can work from an ordinary alkaline battery. Data: Vf = 1.25V, If = 50mA, Va = 90V, Ik = 3mA, gm = 1.1mA/V, pa = 0.2W. Audio pentode data http://tubedata.itchurch.org/sheets51.html	OB/WB/ BP	**2.10** **10 @ 1.80** **200 @ 1.40** **800 @ 1.25**
5684	PL5684. UK/USA NOS. Good quantities in actual physical stock. Please enquire.	Most OB	**40.00**
5685	Thyratron, Westinghouse 5685. Equivalent to C6J. NOS with 3 months guarantee.	Mostly OB	**60.00** **20 @ 50.00**
5686	Audio Pentode, GE USA. NOS. B9A base. Data: http://www.tubedata.info/ if you have difficulty please contact our office.	Mostly OB	**5.00** **10 @ 4.00** **100 @ 3.00**
5687	GE, RCA, Raytheon USA, NOS. With logo, tested, guaranteed. Some are 5687WA, some are 5687WB.	OB/WB	**16.00** **Bulk @ POA**
5687	Sylvania. USA, NOS. With logo, tested, guaranteed. Some are 5687WA, some are 5687WB. Supplied in sets of the same appearance.	OB/WB	**16.00** **Bulk @ POA**
5687	Raytheon USA with logo, tested, guaranteed. Many are **Grade 1** (80 percent emission). Many are **D getter**. Some are 5687WA, some are 5687. Supplied in sets of 8 of the same item, same appearance.	WB	**9.00** **Bulk @ POA**
5687	Tung-Sol logo. USA made. NOS. D getter.	Mostly OB	**30.00**
5687	Tung-Sol. Vintage USA NOS. O Getter. Most have logo and OB.	Mostly OB	**25.00** **Bulk @ POA**
5687 / 7370	10 x RCA, 10 x Sylvania, 10 x Westinghouse. USA made NO with logo. These 7370 are Similar to 5687 but 7370 have 40V heater	OB	**6.00** **30 @ 5.00**
5687WB	ECG Philips. **Blue** logo USA NOS. All the same appearance. Vintage NOS/NIB JAN, Sylvania, Philips, ECG black anode. Made in USA. Tested, guaranteed.	GBOX	**22.00**
5687WB	ECG Philips. **Green** logo USA NOS. All the same appearance. Vintage NOS/NIB JAN, Sylvania, Philips, ECG black anode. Made in USA. Tested, guaranteed.	GBOX	**22.00** **Bulk @ POA**
5687 USED	**GE 5 STAR ******* logo USA made. Many of these look nearly new. Test as used 65 -75 percent approximately emission. Some are 5687WA, some are 5687WB. Supplied in sets of 4 the same type and same appearance.	WB	**14.00** **9 @ 12.00**
5687 USED	Tung-Sol logo, vintage USA made O getter. Test as used 65 -75 percent approximate emission, but many of these look nearly new. Data: Vf=6,3V, If=900mA, Va300=V, Ik=36mA, S=11A/V, Pa4,2=W Data http://tubedata.itchurch.org/sheets51.html **You can buy adaptors to convert 5687 into ECC32 or E182CC Near offers considered for 20 pieces or more.**	WB	**10.00** **2 @ 9.00** **40 @ 8.00**
5687 USED	Tung-Sol logo, vintage USA made D getter. Test as used, over 60 percent emission. Data http://tubedata.itchurch.org/sheets51.html **You can buy adaptors to convert 5687 into ECC32 or E182CC.**	WB	**15.00** **20 @ 12.50**
5687 / WA USED	100 pieces GE. 20 Raytheon, 20 RCA, 80 Sylvania. Many look nearly new. Test as used, over 60 percent emission. Some are 5687WA, some are 5687WB. Supplied in sets of 10 of the same type & same appearance.	WB	**12.00** **4 @ 9.50** **220 @ 7.20**

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TYPE	COMMENT	BOX	£ GBP PRICE each
5691	CBS, USA. NOS. **Brown base**. Tested. With guarantee. Near equivalent to 6SL7.	OB	**37.00** **4 @ 33.00**
5691	CBS, Philips USA NOS. **Black base**. Tested. With guarantee. Near equivalent to 6SL7. We have 2 pieces as described above and other 5691 USA made, please enquire.	OB	**37.00** **2 @ 33.00**
5691	RCA logo, USA NOS. Red base. Tested with guarantee. When available.	GVT	**90.00** **4 @ 80.00**
5691 USED	RCA logo, USA. Red base. Tested as used with guarantee. When available.	WB	**40.00**
5691 **Grade One**	RCA logo USA, Red base. Grade One. Tested guaranteed. With logo. When available.	G1	**60.00**
5692	Brown base. USA, NOS with logo. Near equivalent to 6SN7GT. When available approx GBP100 wholesale.	OB/WB	**POA**
5692	USA, NOS. Red base. A few pieces usually in stock.	OB/WB	**140.00**
5692 USED	Tested guaranteed. Brown base.	WB	**70.00**
5693 **Grade One**	RCA, USA, with logo, red metal. Test as Grade 1. Decent appearance for a used tube. Not new appearance.	G1	**15.00**
5696	5696 Thyratron with similarities to 2D21. Suits some audio amplifiers. USA NOS. Mostly GE or RCA. NOS mostly OB or GVT box. Data: Vf = 6.3V, If = 150mA, Va = 500V, Ik = 25mA. Can be utilised for controlling relays or touch switches.	Most GB	**3.50** **20 @ 2.40** **600 @ 1.80**
5696A	5696A Thyratron with similarities to 2D21. Suits some audio amplifiers. Data in 5696 section above. USA NOS. mostly GE or RCA. NOS mostly OB or GVT. A few National USA.	Most GB	**3.50** **20 @ 2.40** **400 @ 1.80**
5702	Russian NOS with Russian print. Useful audio/microphone sub miniature pentode. Bargain price!	GVT	**3.00** **60 @ 1.50**
5702 / 6J1B	Russian NOS equivalent to 5702. Printed 6Ж1Б [Cyrillic script]. NOS, wire ended. Data: http://www.tubedata.info/ if you have difficulty please contact our office.	GB	**1.50** **20 @ 1.00** **80 @ 0.90**
5702WB	West European/North American manufacture including Raytheon.	GVT	**6.00**
5703	Please refer to **EC70** equivalent.		
5703WA / WB	Raytheon, USA. NOS.	OB/WB	**6.00** **20 @ 5.00**
5718	Thomson logo NOS. Clean and guaranteed. These are 5718. **This wire ended sub miniature SINGLE triode is partly similar to half of an ECC81 double triode**. 5718 heater 6.3v at 150Ma, anode 13ma. Mutual conductance 6.5ma/v ECC81 / 12at7 heater 6.3v at 250Ma, anode 10ma. Mutual conductance 5.5ma/v. Data: 5718 - Vf=6,3V, If=150Ma, Va=100V, Ik=22Ma. More data http://tubedata.itchurch.org/sheets51.html Photo http://www.radiomuseum.org/tubes/tube_5718.html	OB	**5.50** **10 @ 4.50** **300 @ 4.00** **500 @ 3.50**
5719	Sylvania USA NOS wire ended. Some similarities to ECC83. Sub-miniature Hi-Mu Audio Frequency Triode, great for overdrive pedals, preamps etc. 5719 is half of a 6112. Amplification Factor 70. Data at www.tubedata.org	GB	**5.00** **10 @ 4.75** **50 @ 4.25**
5721	USA or UK manufacture. NOS. A klystron. RK5721.	GVT	**60.00**
5725 / 6AS6	Mix NOS. Mostly Russian, some USA. All are new, guaranteed. At this price we are not going to sort them. Amazing low price.	OB/WB	**2.20** **10 @ 1.80** **200 @ 1.50**
5725 / 6AS6	USA NOS. Tung-Sol, GE & other good USA made brands. Individual guaranteed.	OB/WB	**3.00** **6 @ 2.10**
5725 / 6AS6	Western Electric NOS. Equivalent to 409A.	OB/WB	**POA**
5726 / 6AL5	Sylvania logo, USA NOS. Uniform appearance.	Most OB	**4.50** **40 @ 2.40** **500 @ 2.00**
5726	For more please refer to **6AL5**		
5744	Please refer to ECC83/5744 for details and price. Hundreds in	GB	

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TYPE	COMMENT	BOX	£ GBP PRICE each
	stock.		
5749 / 5749W	Please refer to 6BA6 for information and stock.	OB	
5749 / 6BA6	Please refer to 6BA6 for information and stock.	OB	
5750 / 6BE6	Brimar logo UK NOS. These are Brimar UK NOS 6BE6 / CV4012, equivalent to 5750. Guaranteed.	WB	**4.20** **10 @ 3.60** **200 @ 2.80**
5751	GE or GE with Westinghouse logo. NOS. USA made. Various constructions but sets of 2 pieces of same appearance. All are grey pin 2 mica. Ring getter NOS, tested, guaranteed.	OB/WB	**33.00**
5751	RCA same as GE entry above. Logo USA. NOS. 2 mica, O getter. Various constructions but sets of 2 pieces same appearance.	OB/WB	**33.00**
5751	RCA, Sylvania or Westinghouse logo. USA NOS, triple mica. Some black anode. Some gold pin.	OB/WB	**66.00**
5751	Tung-Sol grey anode, D getter. USA NOS.	OB/WB	**2 @ 52.00**
5751	5751 Westinghouse please refer to GE.	WB	**30.00**
5751 **Grade One**	RCA, Westinghouse or Sylvania. USA made. Triple mica. Some black anode, grey pin. Some D getter. Test as Grade One.	G1	**45.00**
5751 USED	Raytheon used, tested. Windmill getter black plate.	GB	**40.00**
5751 USED	GE logo, USA. Triple mica or 5* logo. Used, tested. Clean.	WB	**30.00**
5751	Very similar to **12AX7, ECC83, ECC803S**. Please see **ECC83.**		
5751 / 5744WB	Raytheon, USA, 5744WB. NOS. Mint condition. A wire ended, sub miniature single triode, similar to half of a 5751/12AX7 double triode. Data http://tubedata.itchurch.org/sheets5.html These are 5744WB.	GVT	**4.00** **10 @ 2.50** **100 @ 2.20**
5751 / 5755	Raytheon logo 5755 USA. They test as used (65-75 percent emission approximate) but many look new. 5755 is very similar to 12AX7 / 5751 but different pin out. You can buy adaptors in Asia to convert 5755 into 12AX7. Please deduct 25p if you accept bulk pack / egg crate instead of white box.	BP	**4.80** **100 @ 4.00**
5751 / 5755	Raytheon logo 5755 USA. NOS. Tested. 12AX7. Please deduct 25p if you accept bulk pack / egg crate instead of white box.	WB	**9.80** **10 @ 9.00** **100 @ 8.00**
5755	420A Western Electric logo. NOS, tested uniform, clean, guaranteed. These are the silver top getter splash version. We might have clear glass version of this tube at higher price. 5755 audio double triode. Will plug in to replace ECC83 using an adapter. 5755 is similar to 12AX7 / 6SL7GT, but 5755 has resistance to shock, vibration, and lower microphony.	Blue OB	**16.00** **4 @ 14.00** **300 @ 13.00**
5755 / 12AX7	Raytheon logo 5755 USA NOS. 5755 is like 12AX7 / 5751 but different pin out. Clean, tested and uniform. You can buy adaptors in Asia to convert 5755 into 12AX7.	G Box	**11.00** **10 @ 10.00** **100 @ 9.00**
5755 / 420A **Grade One**	Western Electric logo. Grade 1 with very small stain in the glass. Tested uniform, clean, guaranteed. These are the silver top getter splash version (we might have a few 5755, clear top for approx GBP40). 5755 is similar to ECC83 12AX7 ECC35, but not equivalent, different pinout etc. 5755 has resistance to shock, vibration, and has lower microphony. Adapters exist to convert 5755 into a plug in replacement for 6SL7GT.	G1	**12.00** **100 @ 9.00**
5755	Western electric, clear top. When available.	GVT	**45.00**
5755 **USED**	420A. Used but most **look new**. Western Electric logo. Used CLEAN, tested, uniform, guaranteed. **Clear top version**. 5755 audio double triode plugs in to replace ECC83 using an adapter. 5755 has resistance to shock, vibration, and lower microphony.	OB/WB	**22.00** **12 @ 18.00**
5762 / BR191	RCA, USA. Used, tested at low power only. Guaranteed 90 days. An RF 4KW power triode tube equivalent to BR191.	WB	**2 @ 100.00**

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TYPE	COMMENT	BOX	£ GBP PRICE each
5763	150 RCA USA, 50 Mullard UK, 40 Brimar UK, NOS with logo. Tested and guaranteed. Some printed CV4039. B9A base **audio pentode.** Data: Vf=6.3V, If=750Ma, Va=300V, Ik=50Ma. Photo/data www.tubecollector.org/cv4039.htm & http://www.tubedata.info/ if you have difficulty please contact our office.	Most OB	**4.00** **40 @ 3.00** **90 @ 2.7** **240 @ 2.50**
5767	USA NOS. Litton made. Good quantities in stock. Please enquire.	Most OB	**POA**
5783 / 5783WA	CV4066 Mullard & 3 USA brands. All NOS. 20 or 30 pieces of each brand. Partly similar to 85A2.	Most OB	**5.50** **4 @ 4.50** **100 @ 2.00**
5784	UK/USA NOS. Good quantities in stock. Please enquire.	Most OB	**3.00** **Bulk @ POA**
5787	UK/USA NOS. Good quantities in stock. Please enquire.	Most OB	**11.00** **10 @ 9.00** **75 @ 6.00**
5802 / ME1401 / CV2269	Please refer to ME1401 equivalent.		
5814	USA NOS, D getter, **triple** mica, black plate. 10 RCA, 6 Sylvania, at time of catalogue entry. Tested with logo and guarantee.	WB	**20.00** **6 @ 18.00** **16 @ 16.00**
5814A	Siemens, Germany, NOS. Triple mica. Grey plate. Tested as NOS with Siemens logo and guarantee.	OB	**115.00** **4 @ 110.00**
5814A	Tung-Sol logo, USA NOS, D getter, grey anode plate. Tested with logo and guarantee.	OB/WB	**25.00** **4 @ 24.00**
5814A	Supplied in sets of 2 or more of the same brand & same appearance inside and out: 12 GE, 4 Raytheon, 8 Sylvania and 4 x 5814WA Raytheon, all **D getter, 2 mica**. Some grey anode plate and some are black plate. USA NOS. Tested with logo and guarantee.	OB/WB	**15.00** **32 @ 13.00**
5814A	Supplied in sets of 2 or more of the same brand & same appearance, inside and out. Usually sets of 4, 6 or more: 16 GE, 2 Tung-Sol, 8 RCA, 10 Sylvania (possibly gold pin). All **D getter, triple mica**. Some grey anode plate and some are black plate. USA NOS. Tested with logo and guarantee.	OB/WB	**13.00** **22 @ 12.00**
5814A	Various. Supplied in sets of 2 or more of the same brand & same appearance, inside and out. Usually sets of 4, 8 or more. Approx: 12 Westinghouse, 4 RCA, 4 GE, 4 Tung-Sol, 16 Sylvania and 4 x 5814WA Raytheon. All **ring getter, 2 mica**, grey plate. USA NOS. Tested with logo and guarantee.	OB/WB	**12.00** **24 @ 10.00**
5814A **Grade One**	RCA x 8. All D getter, 2 mica. Some grey anode plate, some black plate. USA grade 1. Tested with logo and guarantee.	G1 box	**10.00** **8 @ 9.00**
5814A **Grade One**	Supplied in sets of 2 or more & same appearance, inside and out: 10 Sylvania all D getter. 2 mica. Black plate. USA Grade 1. Tested with logo and guarantee.	OB/WB	**15.00** **32 @ 13.00**
5814A **Grade One**	Approx: 20 GE, Grade 1. Ring getter, 2 mica, grey anode plate. Grade 1 tested with logo and guarantee.	G1	**9.00** **20 @ 7.50**
5814A **Grade One**	USA Grade 1. 8 x RCA NOS D getter, black plate. Tested with logo and guarantee.	OB/WB	**11.00** **8 @ 9.00**
5814A **Grade One**	USA Grade 1. RCA NOS D getter, black plate, triple mica. Tested with logo and guarantee.	OB/WB	**POA**
5814A USED	Raytheon x 4. All **windmill (star) getter**, grey anode plate. USA used. Tested with logo and guarantee.	WB	**22.00** **4 @ 20.00**
5814A USED	USA. Used **ring getter**, grey anode plate. 8 Westinghouse/GE, 8 Sylvania. Tested, working, used guaranteed.	OB/WB	**8.00** **12 @ 7.00** **24 @ 6.00**
5814A USED	USA. Used, tested, guaranteed. Triple mica or square getter. Sets of 4 pieces the same appearance.	WB	**9.00**

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TYPE	COMMENT	BOX	£ GBP PRICE each
5814A USED	GE USA. Used, ring getter, **triple** mica, grey anode plate. Tested with logo and guarantee.	WB	**10.00** **10 @ 8.00** **18 @ 6.00**
5814A USED	GE, USA made. Used, tested working and guarantee. Grey anode plate. Ring getter, **triple** mica.	WB	**9.00** **32 @ 8.00**
5814A USED	Sylvania, USA. Used, D getter, black plate. Tested with logo and guarantee.	WB	**10.00** **10 @ 8.00**
5814A USED	GE USA 5 star logo. Tests around 60 - 70% emission. D getter, **triple** mica, grey plate. With logo and guarantee.	OB/WB	**9.00** **18 @ 8.00**
5814A USED	Various, supplied in sets of 2 or more of the same appearance, inside and out. GE 5 star logo, D getter, 2 mica, grey anode plate. USA used. Tested with logo and guarantee.	OB/WB	**15.00** **8 @ 13.00**
5814A USED	Various: 14 RCA, 38 Westinghouse, 6 Sylvania, 4 Raytheon, 8 Sylvania and 4 x 5814WA Raytheon. All ring getter, 2 mica. Some grey anode/plate and some are black plate. USA used or Grade 1. Tested with guarantee.	OB/WB	**8.00** **32 @ 7.00**
5814A USED	Various, supplied in sets of 2 or more of the same brand & same appearance, inside and out. Usually sets of 4, 8 or more: 14 RCA, 38 Westinghouse. All ring getter, 2 mica. Some grey anode plate and some are black plate. USA used or Grade 1. Tested with guarantee.	OW/WB	**6.00** **52 @ 5.00**
5814A USED	Various, supplied in sets of 2 or more of the same brand & same appearance, inside and out. Usually sets of 4, 8 or more: 26 GE. All ring getter, triple mica. Some grey anode plate and some are black plate. USA used or grade 1, tested with logo and guarantee.	G1 box	**10.00** **26 @ 8.00**
5814A	Please see **ECC82.**		
5814WA	Sylvania logo, black anode, 3 mica D getter. USA NOS. Tested and guaranteed.	OB/WB	**22.00**
5814WA USED	Sylvania x 12. All D getter, some black and some grey anode plate. USA used. Tested with logo and guarantee.	WB	**10.00** **10 @ 8.00**
5829	CK5829WA Raytheon. USA. NOS. Wire ended flying lead.	Most OB	**4.00** **10 @ 2.80** **100 @ 2.25**
5837	Raytheon RK5837 / 5837 Klystron USA made, NOS.	OB/GB	**95.00**
5837 USED	Raytheon RK5837 / 5837 Klystron USA made, used. 12 month guarantee.	WB	**45.00**
5839	Bendix logo USA. NOS. Black anode. Special quality, long life, equivalent to 6X5GT. A set of 2 the same. Equivalent to 5839A and TE-2. 1950s made Full Wave Rectifier. 1 in Military box & 1 WB. Triple mica. Seems to be double D getter.	OB/WB	**35.00** **2 @ 34.00**
5840	We have good quantities in stock for these. All equivalent or near equivalent to 5840. 100-500 pieces per type of: 7432, VX8124, VX7098, CV4501, CV4502, CV9915, EF72, CV465, 5636, 6205, CV466. Please ask for prices and quantities.		**POA**
5840	Mullard, UK. NOS. CV4501. Plug in replacement for 5840. Originally designed for aerospace, these CV4501 make great microphone pentodes. A sub miniature pentode, wire ended. CV4501 data http://www.tubecollector.org/cv4501.htm 5840 data http://tubedata.itchurch.org/sheets51.html	GVT	**13.00** **20 @ 11.00** **200 @ 10.00**
5840	Please refer to **7433** and **CV4501, CV465, CV9915** for very near equivalent. Or **EF72** or **6205**. Several hundred in stock.		
5840 / 5363	These are 5636, direct replacement for 5840, top quality. Sylvania USA. NOS. Suits amplifier stomp box amplifiers, microphone stereo applications, fuzz pedals. Data/photo http://frank.pocnet.net/sheets5.html	OB/GVT	**6.00** **20 @ 5.00** **100 @ 4.00** **400 @ 3.20**
5840 / CV4502	Mullard, UK NOS. These are CV4502, equivalent to EF73, 7433,	GVT	**5.00**

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TYPE	COMMENT	BOX	£ GBP PRICE each
	CV466. CV4502 are very similar to 5840 but not exact equivalent. Guaranteed. A 6v sub miniature pentode. Would suit audio compressors. 5840 data http://www.r-type.org/exhib/aab0175.htm CV4502 / CV466 data http://www.r-type.org/exhib/aaa1063.htm More data https://tubedata.itchurch.org/sheets/201/7/7433.pdf		**10 @ 4.00** **100 @ 1.60** **200 @ POA**
5842	USA grey or gold pin, NOS.		**20 @ POA**
5842 USED	USA grey or gold pin, NOS.		**20 @ POA**
5842 / 417A	Western Electric logo, NOS, made in USA. Grey pin. Tested guarantee.	OB	**85.00** **2 @ 80.00**
5842 / A2599	These are A2599 / CV5242 GEC logo or sticker, gold pin UK. NOS. Audio triode partly similar to 5842. Ask for data or try http://tubedata.itchurch.org/sheetsA.html	OB/WB	**10.00** **36 @ 8.00**
5842 / A2688	These are A2688 / CV4081. GEC logo or sticker, UK. NOS. Audio triode partly similar to 5842. Data http://tubedata.itchurch.org/sheetsA.html	GVT	**10.00** **26 @ 8.00**
5842 / A2913	GEC logo UK NOS. These are CV5413 / A2913 is partly similar to 5842. A2913 are special quality low noise amplifier triode, gold pin B7G base. Low noise is obtained by running at higher anode current. C4107 is equivalent to A2913. CV4107 data http://frank.pocnet.net/other/ServiceTypes/cv4-4/CV4107.pdf	GVT	**10.00** **50 @ 8.00**
5842 *	Refer to A2521 GEC, not equivalent, but good quality low cost alternative.	OB	**20.00** **4 @ 15.00**
5842 / 417A **Grade One**	Western Electric logo NOS, made in USA. Grey pin. Tested guarantee.	G1	**85.00** **2 @ 80.00**
5847 / 404A	Ericson. NOS	OB/WB	**POA**
5847 / 404A	Western Electric logo, USA NOS. Grey pins. Potential audio type.	OB/WB	**20.00** **4 @ 15.00**
5847 / 404A	Westinghouse, USA logo. NOS, grey pin. Potential audio type.	Mostly OB	**9.00** **36 @ 7.00**
5847 / 404A **Grade One**	Western Electric logo - USA Grade One. Grey pins. Potential audio type.	G1	**12.00** **5 @ 10.00**
5847	Equivalent to **E180F** which is similar. Mullard, gold pin E180F are plentiful and low cost. 5847 are quite rare.		
5853 / NL5853ST	National USA made Nixie tube NOS. 1inch/25mm tall, inch/13mm diameter. 0-9 numerical indicator. Suits nixie clocks etc. Data sheet can be sent to you on request.		**18.00** **4 @ 16.00** **20 @ 13.00** **90 @ 10.50**
5853 / NL5853ST	ITT UK Nixie tube NOS. 1inch/25mm tall, ½ inch/13mm diameter. They read out numbers from 0 - 9.	OBWB	**20.00** **15 @ 17.50**
5866	Please see **TB2.5/300 Philips NOS**.		
5867	Please see **TY4-400** for equivalent.		
5876A	RCA USA, logo. This type is needed in signal generator H.P.608E. These are very clean NOS tubes in original sealed packets with plastic end terminal connectors. Guaranteed. **Please note this is not an audio tube.**	OB	**3.00** **100 @ 2.40** **1,000 @ 2.00**
5879	B9A base audio pentode, RCA, Tung-Sol & other. USA NOS.	Most OB	**9.50** **30 @ 7.50**
5881	BILLINGTON GOLD logo. 12 month guarantee. New tested. Russian.	OB	**16.00**
5881	Russian, new, tested, guaranteed. Equivalent to 6L6WGC. 6P3S, 6N3CE. Thin base. No logo.	WB	**14.00** **20 @ 13.00**
5881 / 6L6WGB	4 GE, 4 RCA, 4 Sylvania logo, USA made NOS. Most have logo. Tested, guaranteed. Sets of 2 pieces identical.	OB/WB	**40.00** **8 @ 36.00** **12 @ 34.00**
5881 / 6L6WGB	Tung-Sol logo. Vintage USA. 4 pieces. Set of 4 pieces of the same appearance.	WB	**48.00** **4 @ 42.00**

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TYPE	COMMENT	BOX	£ GBP PRICE each
			8 @ 40.00
5881 / 6L6WGC	China new tested, GT shape.	OB/WB	15.00 25 @ 12.50
5881 / 6L6WGC Grade One	Tung-Sol logo. Vintage USA made. Sets of 2 pieces identical. Tested as new and look nearly new, just a few rings of light usage. Good getter and the spigot/centre pin are fine.	G1	36.00 4 @ 32.00 12 @ 28.00
5881 / 6L6WGC USED	Tung-Sol logo. USA made. These tests around 50 percent emission. This is below usual standard but they're still useful for amplifier repairs and hi-fi repairs.	WB	28.00 8 @ 20.00
5881WXT	Russian. Usually available. GBP19 wholesale price.		POA
5886	**Please refer to ME1401 entry. Exact equivalent.**	OB/WB	POA
5894A	Refer to **QQV06-40A**		
5896	UK/USA NOS. Good quantities in stock. Please enquire.	Most OB	4.00 Bulk @ POA
5899	USA or UK made, NOS. Includes EF731 and CV477 and CV506. 200 of one brand all look the same. 200 of another brand all look the same. Originally an RF pentode, but could be adapted for audio. Photo/data http://www.r-type.org/exhib/aaa1341.htm	OB/WB	7.00 10 @ 6.00 30 @ 5.50 700 @ 4.00
5902	These are CV4029 Mullard UK / Raytheon logo USA NOS. Sub miniature audio power amplifier.	WB	4.80 100 @ POA
5915	Philips potential audio type. USA, NOS with logo. A pentode or strap it up as a triode. Clean, identical guaranteed. Similar to 6BE6. JAN military issue. A double control heptode. Can be utilised as mixers or frequency changers. Data http://tubedata.itchurch.org/sheets51.html Data Vf = 6.3V, If = 300Ma, Va = 150V, Ik = 20Ma.	GVT	2.50 10@ 2.20 100 @ 1.80 1000 @ 1.50
5920	UK/USA NOS. Good quantities in actual physical stock. Please enquire.	Most OB	2.50 10 @ 2.20 100 @ 1.80
5932 Grade One	USA, NOS. Same as 6L6G but has high temperature base. Photo www.r-type.org/exhib/aaa0155.htm. Data: Vh=6.3, Ah=0.9, Va=350, Vs=250, Vg=-18, mAa=54, mAs=2.5, ra=33K, gm=5.2, 11W.	G1	15.00
5933	**5933WA NOS,** USA made, Sylvania logo. Equivalent to 807. JAN military.	Most GB	15.00 8 @ POA
5933 Grade One	USA brands including Sylvania. Tested as Grade One.	G1	11.00 10 @ 8.00
5949A / TH5059	Thomson France, equivalent to 5949. New/NOS. Tested guaranteed.	OB	150.00
5949 / 5949A	Chinese manufacture. New/NOS. Tested guaranteed.	OB/WB	250.00
5960-99-038-0718	Cathodeon UK new / NOS. Seems to be a storage tube. We can do a limited test, but there is a 12 month guarantee to allow you time for your own testing. 10 pieces in sealed military crates. Near offers/best offers considered.	GVT	1,000.00
5963	RCA made, RCA acid etch grey anode, D getter, foil strip. USA NOS. Tested, guaranteed.	OB/WB	15.00
5963	RCA made, RCA acid etch grey anode, O getter. USA NOS. Tested, guaranteed.	OB/WB	10.00
5963	Sylvania logo acid etch USA NOS. Grey anode, O getter. Tested, guaranteed.	OB/WB	5.00 50 @ 4.00
5963	Sylvania logo acid etch USA NOS. Grey anode, square or D getter. Tested, guaranteed.	OB/WB	7.50 50 @ 6.00
5963	Sylvania Gold Brand, USA NOS. 1960's made grey anode ring getter gold pin. Matched appearance, but not electrical matched pair.	WB	25.00 2 @ 20.00 4 @ POA
5963 USED / G1	RCA made, RCA acid etch grey anode, D getter, foil strip. USA used or Grade 1. Tested, guaranteed.	WB	5.00 12 @ 4.00

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PLEASE ADD 50 PERCENT RETAIL SURCHARGE FOR ORDERS UNDER GBP240.

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TYPE	COMMENT	BOX	£ GBP PRICE each
5963 USED	RCA made, RCA acid etch grey anode, O getter. USA used. Tested, guaranteed.	WB	**3.40** **16 @ 3.00**
5964	Sylvania, Raytheon or RCA. USA. NOS. With logo. These are 5964 with B7G bases and double triode with common cathode. Equivalent to 6J6. Similarities to 6J4 and ECC81.	Mostly OB	**2.50** **10 @ 2.20** **500 @ 1.75**
5965	Brimar UK NOS with white T logo.	OB/WB	**13.00** **10 @ 12.00**
5965	Brimar UK NOS with yellow T label. Guide wholesale price GBP15.	OB/WB	**POA**
5965	GE 5 star logo, USA. NOS. Clean, tested and guaranteed.	OB	**12.00** **6 @ 10.00**
5965	RCA made, in sets of 2 with the same appearance. RCA acid etch, some are black anode, some D getter, some foil strip & some triple mica. USA NOS. Tested, guaranteed.	OB/WB	**15.00** **10 @ POA**
5965	RCA logo. NOS USA made. O getter, **triple mica**.	OB/WB	**15.00** **8 @ 12.50**
5965	Sylvania **gold pin** USA made NOS. Tested strong.	WB	**24.80** **4 @ 20.00**
5965	12AV7 equivalent. GE or Westinghouse or Sylvania. USA made NOS with logo.	OB/WB	**6.00** **20 @ 5.00** **100 @ 4.50**
5965	USA made. Square getter, black anode NOS. 12 Sylvania, 4 Westinghouse, 4 RCA, 2 Tung-Sol. Tested strong.	WB	**14.00** **8 @ 12.00**
5965 USED / G1	GE/RCA Westinghouse Sylvania. Used or G1. O getter. Tested. In some cases the print is partly missing. USA made. Tested strong.	Plain WB	**2.50** **75 @ 2.00**
5965 Grade One	Brimar white T logo. Tested and guaranteed.	G1	**16.00** **5 @ 14.00**
5965 Grade One	GE USA Grade 1 USA made. Tested strong.	G1	**4.00** **30 @ 3.20**
5965A	GE or Westinghouse. Clear top, NOS, USA made. Tested strong.	WB	**10.00** **20 @ 8.00**
5977 (ECC81)	USA. NOS. Mint. 5977 is a wire ended single triode, similar to half of an ECC81 double Triode.	WB/OB	**6.00**
5993	Bendix made, USA. NOS. Black anode. Special quality, long life, similar to 6X4 but different pin out.	OB/WB	**20.00** **5 @ 16.00**
5993 USED	Bendix made, USA. Black anode. Used tested. Special quality, similar to 6X4 but different pinout.	WB	**10.00** **10 @ 8.00**
5998	Tung-Sol logo. NOS. Guide price GBP150, wholesale.	OB/WB/GB	**POA**
5998 Grade One	Tung-Sol logo USA. Test Over 80 percent emission. Guaranteed. 6 hole anode. ST shape. We may have 2 pieces.	WB	**99.00**
5998 USED	Tung-Sol logo USA. Test Over 65 percent emission. Guaranteed. 6 hole anode. ST shape. We may have 2 pieces.	WB	**75.00**
5998 USED	Tung-Sol logo USA. Equivalent to 421A. Decent appearance but test only 50 percent emission, which is why they are sold 4 times cheaper than (NOS).Guaranteed. 6 hole anode. ST shape.	WB	**40.00**
5998A	Sylvania and GE. USA NOS. Tested and guaranteed. GT straight shape.	OB/WB	**40.00**
6005W	USA, NOS, good stocks exist. Please refer to "6AQ5"		
6012 / C1K	Made in West Europe or USA. NOS. Offers considered. http://tubedata.itchurch.org/sheets62.html	OB/WB	**40.00**
6014 / C1K	6014 / C1K made in West Europe or USA. NOS. http://tubedata.itchurch.org/sheets62.html	OB/WB	**65.00**
6021	GE 5 star item USA NOS. Potential audio type.	OB	**8.00**
6021	6021 = ECC70 = CV3986 Mullard UK logo. NOS. Partly similar to 12AX7. Unused tested guaranteed, but pins are store soiled appearance.	Most GB	**12.00** **30 @ 10.00**
6021	Russian NOS equivalent to 6021. Printed [Cyrillic script]. 6N16B NOS, wire ended. Data: http://www.tubedata.info/ if you have	WB/OB	**3.00** **10 @ 2.00**

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TYPE	COMMENT	BOX	£ GBP PRICE each
	difficulty please contact our office OR http://audio.ring.lt/pdf/6n16b.pdf. Potential audio type.		100 @ 1.40
6021	Thomson France NOS. Potential audio type.	OB	5.00 1,000 @ 3.00
6028	USA NOS. Equivalent to WE 408A. Similar to EF86 but 6028 has a B7G base & 20V heater. Replace EF14 with a 6028, plus an adapter etc.		GBP 3.00 10 @ POA
6028	USA, NOS. Equivalent to WE 408A. Similar to but not same as EF86. 6028 has a B7G base & 20V heater. Replace EF14 with a 6028, plus an adapter etc GBP15 wholesale when available.	OB/WB	15.00 10 @ 14.00
6028 / 408A	Western Electric USA. NOS.	OB/WB	20.00
6058	**CV4025** is superior quality equivalent.		
6060 / ECC81 USED	Brimar logo, UK. Identical to UK ECC81. Tests as used ie 65-75 percent emission. Guarantee and Brimar T label white logo.	BB	8.50 80 @ 6.50
6060	Equivalent to **CV4024.**		
6072	GE black anode, triple mica. D getter. Tested as used ie around 65 percent emission. Some have GE logo, some have only acid etch "6072" all genuine vintage USA made.	WB	50.00 16 @ 40.00
6072 / A / 12AY7	Please refer to 12AY7. We usually have USA 3 mica, USA 2 mica and Russian.		
6076	These Are Philips QBL5-3500, equivalent to 6076. West European made. NOS guaranteed. A broadcast tetrode. Output Power 2.8 Kw, maximum frequency 220 MHz, Cooling Forced Air, Heater 6.3 V at 32.5 A. Peak Anode Voltage 5.5 Kv.	GVT	250.00 3 @ 240.00
6080	Beckman USA NOS. Tested and guaranteed. 2 pieces.	OB/WB	50.00
6080	Brimar logo made in Japan. NOS tested. 4 pieces same appearance.	WB	12.00 4 @ 11.00
6080	Chatham USA NOS. Tested/guaranteed. 2 pieces.	OB/WB	100.00
6080	GEC / MOV with logo. UK, NOS and tested.	OB	180.00 4 @ 170.00
6080	Haltron logo, believed to be made in USA. NOS tested. Sets of 16 pieces same appearance. Black wafer in base.	WB	5.50 48 @ 4.50
6080	Mullard, logo. UK NOS. 4 pieces look the same.	OB/WB	75.00 8 @ 65.00
6080	Telefunken original logo, believed to be USA made. NOS & tested. 4 pieces same appearance. Black plate.	OB	4 @ 42.00
6080	Tung-Sol USA. NOS, tested/guaranteed.	OB/WB	50.00
6080 / 6080WA	GE USA NOS. Sets of 4 pieces that look Identical. USA, NOS. Tested/guaranteed. These have a great dynamic response and a hint of warmth, with excellent deep tonal character. Long life/high reliability.	WB	10.00 16 @ 9.00 30 @ 8.00
6080 / 6080WA	Mazda Belvu U logo, white wafer in base. French made, NOS tested, guaranteed. These have a great dynamic. 2 pieces that look identical.	WB	80.00 2 @ 75.00
6080 / 6080WA	Raytheon logo, white wafer in base. Sets of 8 pieces that look identical. USA, NOS tested, guaranteed. These have a great dynamic response. Long life/high reliability.	WB	10.00 20 @ 9.00 50 @ 8.00
6080 / 6080WA	RCA USA NOS. Sets of 4 pieces that look identical. USA, NOS tested/guaranteed. These have a great dynamic response and a hint of warmth, with excellent deep tonal character. Long life/high reliability.	WB	10.00 16 @ 9.00 60 @ 8.00
6080 / 6080WA	Sylvania logo, white wafer in base. USA, NOS tested, guaranteed. These have a great dynamic response and a hint of warmth, with excellent deep tonal character. Long life/high reliability.	WB	10.00 16 @ 9.00 30 @ 8.00
6080 / 6080WA	Thomson CSF logo, France. NOS. Super quality, guaranteed. Audio double triode. Black anode/black plate. A long life, low noise, shock and vibration resistant equivalent to 6AS7G. These have a	OB	20.00 30 @ 18.00 100 @ 17.50

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TYPE	COMMENT	BOX	£ GBP PRICE each
	great dynamic response and a hint of warmth, with excellent deep tonal character. All the same appearance. Quality compares favourably with Mullard UK. Photo can be sent quickly on request. Data: http://www.tubedata.info/ if you have difficulty please contact our office.		**300 @ POA**
6080 / 7236	These are 7236 special quality, equivalent to 6080. Tung-Sol logo. USA made NOS. Chrome base version, very rare.	OB/WB	**70.00** **12 @ 65.00**
6080 **Grade One**	GE USA. Grade 1. Test around 80 percent emission. They are very clean appearance but someone has polished the base so a small amount of copper is showing underneath the chrome plate on the base.	G1	**5.00** **8 @ 4.00** **30 @ 3.50**
6080 **Grade One**	GEC sticker, UK. Grade 1. Test around 80 percent emission.	G1	**105.00**
6080 **Grade One**	Mullard logo, UK made. Tests as Grade One. Approx 80 percent emission. Small stain in the glass but decent appearance.	G1	**50.00** **12 @ 40.00**
6080 USED	Mullard, logo, UK made. Used, test around 65 - 75 percent emission. Not new but good print & decent appearance. Some triple mica.	WB	**36.00** **18 @ 30.00**
6080 USED	GEC sticker UK. Used. Tested. Near new and decent appearance, but spigot is repaired or missing.	WB	**70.00**
6080 USED	USA. Used. These are sold as USED, but most of them test new, or look new. Sets of 4 pieces of the same brand/same appearance. Choose RCA logo or Raytheon logo. Tested and guaranteed.	WB	**7.00** **4 @ 4.00** **60 @ 3.35**
6080 / 6080WB **Grade One**	Sylvania logo, white wafer in base. USA, test nearly new and probably unused, but copper is showing through the chrome metalwork, where they have been polished. Therefore sold at reduced price and classed as Grade 1, not new. These have a great dynamic response and excellent deep tonal character.	G1	**7.50** **8 @ 6.00** **50 @ 5.50**
6080WC	20 pieces GE & 20 pieces Sylvania. USA, NOS tested. Guaranteed. Equivalent to 6AS7G but 6080 has straight GT shape. Long life/high reliability.	Most OB/GB	**12.00** **20 @ 10.00** **40 @ 9.00**
6083 / OS51	Please refer to 6083/OS51.		
6083 / OS51	Brimar NOS. audio amplifier type.	OB	**22.00** **4 @ POA**
6088	Raytheon - USA. NOS. Audio pentode. Wire ended flying lead. Data: Vf=1.25V, If=20ma, Va=45V. Data/photo: http://frank.pocnet.net/sheets6.html Website page discussing 6088 as audio pentode. http://diyaudioprojects.com/Forum/viewtopic.php?f=10&t=926	GVT	**3.00** **20 @ 2.00** **100 @ 1.50**
6094 USED	Bendix logo. Gold pin. USA made. These test used, approximately 65-75 percent emission. Many look near new. Super high quality possible alternative, not equivalent, to EL84. These exquisite audio tubes were manufactured by Bendix Redbank.	WB	**55.00**
6098 / 6384	Tung-Sol logo, USA. NOS. These are 6098, similar to 6384, but not the same. Data: http://tubedata.itchurch.org/sheets62.html	OB/WB	**30.00**
6101	Equivalent to **6J6.**		
6106	Bendix NOS. Please refer to **5Y3WGT.**		
6110	USA. NOS blue print. A double diode with audio possibilities with flying leads/wire ended. Guaranteed. Great quality tubes.	OB/WB	**7.00** **40 @ 6.25**
6111WA	ECG Philips USA. NOS blue print. In sealed military boxes of 100. Made in or around 1986. Low noise alternative to ECC82, with flying leads/wire ended. Guaranteed. Great quality tubes.	OB	**7.00** **100 @ 6.50** **1,000 @ 6.00**
6111WA	Philips USA NOS. Slightly similar to ECC82. Socket available from stock, reference 8611. Guaranteed.	OB/WB	**8.00** **Bulk @ POA**
6111WA	Thompson French made, NOS. Slightly similar to ECC82. Guaranteed. Good quality items.	OB	**7.50** **100 @ 7.00**

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TYPE	COMMENT	BOX	£ GBP PRICE each
			300 @ 6.50
6112	A ruggedised, low noise tube. JAN Sylvania, USA NOS. This sub miniature double triode has similarities to ECC83. Data on request. Great quality, suits microphones, effects pedals etc. Suits musical fidelity amps.	OB	9.50 10 @ 8.75 100 @ 7.00
6115	USA NOS Raytheon, JAN, Klystron. Data www.tubedata.org	GB	180.00 5 @ 170.00 50 @ POA
6115A	Raytheon, JAN, Klystron. USA. NOS. Data www.tubedata.org	GB	120.00 30 @ 110.00
6132	Equivalent to **CV4055.**		
6146	GE, RCA, Raytheon and Sylvania. NOS with logo, clean, tested and guaranteed. Sets of 2 or 4 pieces identical. Matched pairs should be no problem. 16 pieces unchanged.	OB/WB	26.00 30 @ 20.00
6146 USED	GE, RCA, Raytheon & Sylvania. Used with logo, clean, tested and guaranteed. Sets of 2 or 4 pieces identical.	OB/WB	11.00 8 @ POA
6146A	Raytheon, RCA, Sylvania, USA. NOS. Tested with guarantee and most with logo. 36 pieces unchanged.	GVT	26.00 12 @ POA
6146A USED	Raytheon, RCA & Sylvania, USA. Used. Tested with guarantee and most with logo.	OB/WB	11.00 8 @ POA
6146B	Chinese NOS, tested. Guarantee 90 days from dispatch date. Match pairs etc on request. Customer feedback indicates this 6146B is good quality and suitable to replace the rare Japanese S2001A equivalent tube and suitable for Yaesu Kenwood equipment.	WB	21.00
6146B	USA NOS. Tested and guaranteed, most with logo. 4 of this brand, 8 of that brand. GE, RCA Westinghouse etc.	OB/WB	26.00 20 @ 24.00
6146B USED	USA/Holland. Used, tested and guaranteed, most with logo. 2 of this brand, 2 of that brand. Amperex, RCA, Sylvania, Westinghouse etc.	OB/WB	13.00 32 @ 12.00
6146W USED	USA including Sylvania logo and RCA logo.	OB/WB	11.00 Bulk @ POA
6147	Audio sub miniature pentode, wire ended. Raytheon USA NOS. Data: http://www.tubedata.info/ if you have difficulty please contact our office.	OB/WB	5.00 40 @ 4.00
6155	West European and equivalents. QB3-300 Siemens RS1007, QY3-125. Refer to CV2130 entry in this list for more info. 20 pieces.	Most GVT	38.00 20 @ POA
6155	Equivalent to **CV2130** and **4-125A.**		
6156	West European made EEV NOS including C1112 equivalent.	GVT	45.00
6159 / A / B	USA manufacture including Sylvania.	OB/WB	8.25
6176	UK/USA NOS. Good quantities in stock. Please enquire.	Most OB	Bulk @ POA
6189	USA NOS, triple mica. Tung-Sol, RCA, GE. Most are D getter.	Most GB	16.00 30 @ POA
6189	USA NOS, triple mica. Sylvania, D getter.	Most GB	25.00 8 @ POA
6189 USED	USA used, many triple mica. RCA, GE, Sylvania. Test 65+ emission.	WB	12.00 40 @ POA
6189	Equivalent to **12AU7, CV4003** and **ECC82.**		
6201	GE, 5 star logo ***** USA. Test as used (over 60 percent emission) look new, the acid etch is “6201”.	WB	12.00 20 @ 8.00
6201	GE USA made, NOS. Black anode. D getter.	OB/WB	13.00 6 @ 12.00 50 @ 10.00
6201	RCA NOS. Grey anode.	OB/WB	12.00 16 @ 10.00
6201	Sylvania logo, D getter black anode, 3 mica. NOS. tested, USA made. The acid etch is “6201”.	OB/WB	22.00 16 @ 18.00

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TYPE	COMMENT	BOX	£ GBP PRICE each
6201	Westinghouse logo USA NOS. Tested with guarantee, acid etch is "6201". These have a solid ring getter, quite rare now.	OB/WB	**13.00** **30 @ 12.00**
6201	Westinghouse logo USA NOS. Tested with guarantee, acid etch is "6201". Triple mica. D getter, black anode.	OB/WB	**15.00** **10 @ 13.00**
6201	Westinghouse logo USA made tubes. NOS. Grey anode.	OB/WB	**9.50** **8 @ 9.00** **40 @ 8.00** **120 @ 7.00**
6201 USED	GE USA made. 36 black anode & 50 grey anode. D getter. Used, tested 65 percent emission minimum. The 86 piece offer is for x 50 grey anode & x 36 black anode in 1 parcel.		**6.50** **36 @ 6.00** **86 @ 4.00**
6201 USED	Westinghouse logo USA. Tested with guarantee, acid etch is "6201". Triple mica. D getter, black anode. Tested as used, minimum 65 percent emission.	WB	**7.00** **40 @ 4.00**
6201 USED	Westinghouse logo USA. Tested with guarantee, acid etch is "6201". Triple mica. D getter, grey anode. Tested as used, minimum 65 percent emission.	WB	**6.00** **50 @ 3.50**
6201 USED	Westinghouse logo USA made tubes. Used, test 65 percent emission. Grey anode.	OB/WB	**5.00** **10 @ 4.00** **150 @ 3.00**
6201	**Please refer to ECC81 / 12AT7WC GE green logo**. NOS.		
6201	Please refer to ECC81 section on another page. Several interesting brands, listed, including ECC81/6201/12AT7WC.		
6202 / 6X4	USA made and tested. These 6202 are near equivalent to 6X4. 6202 have maximum output 50ma. 6X4 output is 70ma	WB	**4.00**
6203 / 6X4	USA NOS with logo, tested and guaranteed. 50 pieces of each brand: GE, RCA, Sylvania, Westinghouse. These are 6203 tubes. 6203 is a ruggedised, B9A base 6X4. 6203 heater current is 900ma, 9 pin base. 6X4 heater current is 600mA, 7 pin base. These are 6203.	Most GB	**5.00** **5 @ 2.67** **200 @ 2.50**
6205	Philips USA made NOS. A 6v sub miniature pentode. Would suit audio compressors.	GVT	**5.00** **10 @ 4.00** **100 @ 3.26**
6205	USA NOS. High shock version of 5840. The suppressor (G3) comes out on a separate lead (can be tied to cathode, earth or a DC voltage).	GVT	**POA**
6211	Mullard UK, NOS. Similar to E80CC & ECC82 although not exact equivalents.	OB	**45.00** **4 @ 40.00**
6211	Telefunken logo, West German. NOS. <>, grey pins. Similar to E80CC, ECC82 although not exact equivalent.	Most OB	**100.00**
6211	Telefunken logo, West German. Unused and working but test around 65- 75 percent emission, below NOS standard. Grey pins with diamond <> .	Most OB	**60.00** **4 @ 55.00**
6211	Telefunken logo, West German. NOS. <> , gold pins. Similar to E80CC, ECC82 although not exact equivalents. 1 or 2 only.	OB	**280.00**
6211	GE, Westinghouse NOS. Believed to be Japanese made. Grey pin. High quality audio double triode similar to E80CC.	OB/WB	**7.00** **10 @ 5.50** **100 @ 4.00**
6211	12 x RCA WB, 12 x Sylvania Government box. USA made NOS. Grey pin. High quality audio double triode similar to E80CC.	GB/WB	**11.00** **12 @ 10.00** **24 @ 9.00**
6211A	Equivalent to 6211. Raytheon logo. USA. NOS. Grey pin. Square getter plate. Side getter.	OB/WB	**8.00** **10 @ 7.00**
6216	200 x GE, 100 x Sylvania, USA NOS with guarantee. These are B9A base 6216, audio pentode with SOME similarities to EL84.	Mostly OB	

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TYPE	COMMENT	BOX	£ GBP PRICE each
	EL84: Vf=6.3V, If=760Ma, Va=300V, Ik=65Ma, S=11Ma/V, Pa=12W 6216: Vf=6.3V, If=1000Ma, Va=140V, Ik=70Ma, S=12Ma/V, Pa=10W. More data www.tubedata.org		
6240G	USA. NOS. Brand to be advised. 2 pieces same appearance. Tested guaranteed. Audio double triode. Price is per tube - near offers considered.	WB	**205.00** **2 @ 200.00**
6267	Equivalent to **EF86.**		
6278	USA. NOS. We cannot test this Xenon thyratron, but it is guaranteed 90 days from dispatch. Equivalent to C5F14.	OB/WB	**20.00**
6278	Xenon triode thyratron, 500v PIV, 5A. Filament: Vf 14 Volts, If 2 Amps. Maybe equivalent to a C5F14.	OB/WB	**25.00**
6293	possible replacement for 6146B. USA NOS. Tested and guaranteed, 4 of this brand, 4 of that brand: GE, RCA Westinghouse etc. 6293 is a pulse rated version of 6146B. 6293 has a lower anode dissipation, but only nominally because this was intended for high voltages peaks. Reverse-emission from the heated up anode had to be avoided, so the anode was specified to run colder - hence the nominally lower plate dissipation ratio - all designed for a situation that does not occur in ham radio equipment. 6293 can replace 6146B in most cases.	OB/WB	**24.00**
6336 / A	All USA made. NOS. 3 electrical match pairs but 6 different brands, none are 2 of the same appearance.	OB/WB	**35.00** **6 @ 30.00**
6336A **Grade One**	Cetron/Raytheon/Westinghouse USA. Sets of 2 identical. Test as Grade One. Look decent but not new.	G1	**27.00** **4 @ 24.00**
6336A USED	Cetron/Raytheon/Westinghouse/Tung-Sol 1960 USA. Sets of 2 pieces identical. Look clean but tests used. Guaranteed.	OB	**19.50**
6336A / 6528 **Grade One**	Tung-Sol/Raytheon USA made. Tested to grade one standard. Guaranteed. These are 6528, which is very similar to 6336A but 6528 has higher gm 37,000 and mu of 9.	G1	**27.00** **10 @ 21.00**
6336B	GE logo. USA made NOS. Sets of 2 identical.	OB	**34.00** **6 @ 32.00**
6350	RCA logo, USA NOS. Super quality. B9A base. Double triode, similarities to 6SN7, 6CG7, ECC82, ECC88. Adapters can be found on the Internet to convert 6350 into 6SN7, ECC88, etc. Data: http://www.tubedata.info/ if you have difficulty please contact our office.	OB	**18.00** **25 @ 13.00** **200 @ 10.00**
6350	RCA logo, triple mica, some are D getter. USA NOS. Super quality. B9A base. Double triode, similarities to 6SN7, 6CG7, ECC82, ECC88. Adapters can be found on the Internet to convert 6350 into 6SN7, ECC88, etc. Data: http://www.tubedata.info/ if you have difficulty please contact our office.	Most OB	**21.00** **35 @ 16.00** **200 @ 12.00**
6350	Sylvania logo, D getter, USA NOS. B9A base. Adapters can be found on the Internet to convert 6350 into 6SN7, ECC88, ECC82. Data in 6350 RCA section above.	Yellow OB	**20.50** **24 @ 18.00** **200 @ 15.00**
6350	Sylvania logo, USA NOS. B9A base. Adapters can be found on the Internet to convert 6350 into 6SN7, ECC88, ECC82.	Yellow OB	**10.50** **40 @ 8.00** **100 @ 7.25**
6350 **Grade One**	RCA logo, USA. Tests as Grade One.	G1	**11.00**
6350 **Grade One**	Sylvania logo, USA. Grade One. Many look new, or test new, but they are sold as grade one, meaning best quality used item. Data: http://www.tubedata.info/ if you have difficulty please contact our office. B9A base, similarities to 6SN7, 6CG7, ECC82, ECC88. Adapters can be found on the Internet to convert 6350 into 6SN7, ECC88.	G1	**7.50** **50 @ 6.00** **100 @ POA**
6350 USED	RCA logo, USA NOS. Data above. RCA acid etches. Used but most	OB	**7.50**

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TYPE	COMMENT	BOX	£ GBP PRICE each
	look unused and test around 70 percent emission. B9A base. Similarities to 6SN7, 6CG7, ECC82, ECC88. Adapters can be found on the Internet to convert 6350 into 6SN7, ECC88.		**50 @ POA**
6351 / Z319	CV2276. GEC sticker. Or EMI UK NOS. A high gain B9A secondary emission pentode. Data www.r-type.org/exhib/aai0023.htm.	Mostly GVT	**4.50**
6360	Refer to equivalent to **QQV03-10.**		
6384	**Bendix** USA, 1 only. Similar to 6AR6 but not identical.	WB	**50.00**
6384 Grade One	**Bendix** USA made, but the logo is Tung-Sol, or Cetron. Maybe unused, but sold at grade one price. There is discolouration on the base due to the long-time storage. Tested working and guaranteed. Sets of 2 pieces identical appearance.	G1	**32.00 8 @ 27.00**
6386	USA, NOS. Rare but usually in stock. Tested, guaranteed. Suitable for Gates recording and mastering audio compressor. 2 pieces GE in stock as of 18.11.21.	OB/WB	**320.00 2 @ 300.00**
6386 Grade One	USA tested with guarantee. Mixed brands.	WB	**65.00 2 @ 60.00**
6414	**Westhouse logo,** USA made NOS. E80CC is similar to 6414, but not a true equivalent.	OB/WB	**15.00 4 @ 12.50 20 @ 11.00**
6414 USED	GE, Sylvania & Raytheon USA. Used, tested. Audio type.	WB	**5.00 30 @ 3.50**
6418	Raytheon USA.	GVT	**6.00**
6442	USA NOS. Tested.	OB/WB	**30.00**
6442	Surplus untested but guaranteed.	OB/WB	**POA 30 @ POA**
6463	GE, Westinghouse & Sylvania USA NOS.	Most OB	**10.00 10 @ 8.00 50 @ 7.00**
6463	Telefunken logo West German (NOS) diamond mark <>.	OB	**52.00**
6463	Mullard logo UK / Holland NOS.	OB	**16.00**
6476A	Or **CK6476** Sylvania logo, or Raytheon logo USA NOS NIB. Dekatron. Data/photos www.tubetester.com/sites/nixie/datdekat/6476_sylv/6476_sylv.htm	OB	**20.00 25 @ 16.00**
6481	USA NOS. Litton made, in actual physical stock. Please enquire.	Most OB	**POA**
6485	Audio tube. A high quality equivalent to 6AH6. GE /other USA NOS.	OB/WB	**5.00**
6528A	North American manufacture.	OB/WB	**35.00**
6550	Sylvania logo USA NOS. 3 pieces look the same. GT shape. NOS tube, BUT the getter is a little bit imperfect hence reduced price.	OB/WB	**75.00 3 @ 65.00**
6550	Tung-Sol logo, USA NOS. Shoulder shape. Guide price GBP250 wholesale.	WB	**POA**
6550	GE USA, NOS. GT straight shape. When available approx £130.00.	OB/WB	**POA**
6550 USED	Tung-Sol logo. Vintage USA made. Used, not good appearance. Test around 50 or 60 percent, hence reduced price.	WB	**75.00 2 @ POA**
6550A	BILLINGTON GOLD, Chinese. Tested with logo & guarantee. Some years ago, Glass audio magazine said 6550 Chinese produce a stable great sound, handle higher anode voltage and perform well. Voted better than a Tung-Sol USA tube!	OB	**POA**
6550A	Chinese. Straight shape. New tested guaranteed. Printed "6550A 6550B".	WB	**POA**
6550A USED	6550A GE, USA made. GT shape. Used tested guaranteed.	OB	**POA**
6550B-3	These are Svetlana C logo 6550-B3, only printed 6550B3. NOS. Super quality, Russian made in 2005. WB. Zirconium getter and clear glass.	WB	**45.00 2 @ 40.00**
6550C	Svetlana C logo. Russian. Tested & guaranteed by us. NOS. Made in St. Petersburg, Russia. All 100 pieces look the same, with date	WB	**POA**

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TYPE	COMMENT	BOX	£ GBP PRICE each
	code 2011. Perfect for guitar amps and hi-fi. Tested guaranteed. The C logo version is rare nowadays. When available.		
6550C	Svetlana "S" logo. Russian. NOS. Made in St. Petersburg, Russia. 1990s vintage. Perfect for guitar amps and hi-fi. Tested guaranteed.	WB	**50.00** **4 @ 40.00**
6611	Mullard, UK/Holland CV2371. Equivalent to DF61. NOS, clean, guaranteed. Wire-ended sub miniature pentode. Low voltage sub miniature broadband pentode. Could operate directly off 48 volt phantom power supply lines. Heater is only 20Ma and can be supplied from an ordinary dry cell battery. Data: Vf=1.25V, If=20Ma, Va=30V, Ik=1Ma, S=1Ma/V. Similar to 1AH4 and 2E32. Possible audio type, see Glass Audio magazine 1999. Data http://tubedata.itchurch.org /sheets6.html	GVT	**3.00** **20 @ 2.50** **300 @ POA**
6611	Equivalent to **DF61.**		
6688	Equivalent to **CV3998** and **E180F.**		
6777	ITT USA, clean NOS. Mostly 1980s made. Guaranteed 12 months from dispatch date.	GB	**70.00** **20 @ 55.00**
6829	GE green logo, USA NOS. B9A base. 6829 is an audio double triode similar to E180CC. NOS, guaranteed. Data in other 6829 section, below in groups of 100 identical tubes. Data/curves http://scottbecker.net/tube/sheet/138/6/6829 pdf	GB	**6.50** **20 @ 5.50** **100 @ POA**
6829	GE logo USA NOS. B9A base. An audio double triode. NOS tested, and guaranteed. Data in the other 6829 section, below in groups of 10 identical tubes.	**WB**	**6.50** **20 @ 5.50** **100 @ 4.50**
6829 USED	GE or Raytheon, USA. Equivalent to CK6829. B9A base. Audio double triode similar to E180CC. Used, tested and guaranteed. Data etc in NOS 6829 paragraph. Emission will be more than 60 percent.	WB	**3.70** **6 @ 3.20** **50 @ 3.00**
6829	Equivalent to **E180CC**.		
6870	Brimar T logo, UK. NOS. RF pentode.	OB	**7.50** **20 @ 6.00**
6883B	GE, RCA, Westinghouse, USA with logo. NOS. Audio type. Similar to 6146 but 12V heater for mobile use. Octal base, clean, tested and guarantee. Data: Vf=12.6V, If=562Ma.	OB/WB	**10.00** **30 @ 7.50**
6883B / YL371	These are YL1371 Philips Holland logo. NOS. Audio type. Equivalent to 6883B. Similar to 6146B but 12V heater for mobile use. Data www.radiomuseum.org/tubes/tube_yl1371.html		**10.00** **25 @ 7.50**
6888	GE, RCA, Westinghouse, Sylvania USA with logo. NOS. Audio type. Similar to 6L6GC / KT66 but has lower anode current & different pin out octal base, clean, chrome collar base tested and guarantee. Data: Vf=12.6v, if=562ma.	OB/WB	**5.50** **16 @ 5.00** **40 @ 4.50**
6900	Tung-Sol logo. Gold pin. Sometimes available. Ask Martin personally. 4 pieces.	OB	**4 @ POA**
6922	Amperex or other USA NOS. Gold pin. O getter.	OB/WB	**80.00** **4 @ 72.00**
6922	Amperex or other USA NOS. Gold pin. D getter.	OB/WB	**90.00**
6922	These are 6922 ECG Philips logo. USA NOS. 50 pieces look the same. Matched pairs may be possible. Very attractive appearance.	GB	**30.00** **16 @ 25.00**
6922	Electro Harmonix logo. Gold pin.	WB	**15.00**
6922	Electro Harmonix, Russian. Same construction as the popular Sovtek 6922. New, tested/guaranteed.	OB/WB	**22.00** **8 @ 20.00**
6922	RCA, USA made. NOS. Hurry before they are sold out.	GVT	**25.00**
6922	Raytheon logo, USA. NOS, tested, guarantee and uniform.	GVT	**25.00**
6922	Russian. These tubes are the same as Sovtek 6922 but have plain print no Sovtek logo. New, tested/guaranteed.	WB	**11.00** **10 @ 9.00**
6922	Sovtek Russian. New, tested/guaranteed. Some have Sovtek logo. 10 only.	WB	**22.00** **8 @ 20.00**
6922	Sylvania logo, USA made. NOS. Grey pin. Similar to E88CC,	OB/WB	**30.00**

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TYPE	COMMENT	BOX	£ GBP PRICE each
	ECC88 and 6DJ8. Uniform and clean.		
6922	Sylvania logo, USA. NOS, tested, guarantee and uniform. Gold pin.	OB/WB	**40.00**
6922	Please refer to equivalent **ECC88** for other brands.		
6922 **Grade One**	Amperex USA. Gold pin. D getter. G1.	OB/WB	**110.00**
6922 **Grade One**	Amperex USA. Gold pin. O getter. G1.	OB/WB	**75.00**
6922 **USED**	Amperex USA gold pin. Amperex white logo, believed to be 1960s made. Very rare. Used and tested.	WB	**50.00** **2 @ 45.00**
6922 **USED**	Sylvania logo. USA made. Similar to E88CC, ECC88 and 6DJ8. Tested as Used. 65 -75 percent emission. Uniform and clean. 40 pieces identical.	Most OB	**6.00** **40 @ POA**
6922 / ECC88	BILLINGTON GOLD, Slovakia, grey pins. With guarantee.	OB	**10.00**
6922 / 6H23N/ ECC88	Sold out. Please enquire.		**POA**
6939	Please refer to **QQV02- 6** equivalent.		
6973 / 6DW5	These are 6DW5, B9A base. Sylvania USA NOS, printed Sylvania or Bogen. 6DW5 would replace 6973 but would need rebasing B9A base. Audio pentode. Data: http://www.tubedata.info/ if you have difficulty please contact our office.	WB	**6.20** **50 @ 4.00**
6973 / 6EM5	RCA, Sylvania and Westinghouse, USA NOS with logo. Similarities to 6973 but not equivalent. **6973:** Vf=6.3V, If=450ma, Va=250V, If=46Ma, S=4.8Ma/V, Pa=12W. **6EM5:** Vf=6.3V, If=800ma, Va=250V, If=35Ma, S=5.1Ma/V, Pa=10W. More data http://frank.pocnet.net	Mostly OB	**7.00** **20 @ 4.00** **70 @ 3.50**
6973 / 6GZ5	These 6GZ5 are similar to 6973 but not equivalent.	Mostly OB	**3.00**
6973	USA NOS, genuine version with acid etch. 4 RCA. Tested guaranteed with logo.	OB	**50.00** **8 @ 42.00**
6973	Thermionic brand, USA manufacture. NOS. Not acid etch version.	OB/WB	**10.00**
6975	Thomson, made in France and other NOS manufacturers. Clean with guarantee.	OB/GVT	**52.00** **10 @ 50.00**
6977	Miniature tuning indicator. Please refer to DM160.	OB	**300 @ POA**
7003 / ML7003	USA made, Matchelett or similar. New service. Approximately 10 or 20 years old. Tested. With guarantee.	GVT	**4,000.00**
7025	4 RCA, 4 Sylvania. USA, NOS with logo. These are actual acid etch 7025.	Most OB	**65.00** **8 @ 55.00**
7025 USED	5 RCA, 6 Sylvania. USA, used tested around 65 percent emission with logo. Guaranteed. These are actual acid etch 7025.	WB	**30.00** **5 @ 27.00** **11 @ 25.00**
7025	Equivalent to **12AX7** and **ECC83.**		
7027A	RCA USA NOS.	OB/WB	**60.00**
7027A **Grade One**	USA Grade 1.	OB	**45.00** **2 @ 44.00**
7044	USA mix NOS. Partly similar to 5687.	OB/WB	**30.00**
7050 VISIO	UK/USA NOS. Good quantities in stock. Please enquire.	Most OB	**POA**
7056	Sylvania, USA. NOS. Big sharp cut off pentode. Potential audio tube. Data http://frank.yueksel.org/sheets/137/5/5647.pdf	OB	**5.50** **8 @ 4.50** **50 @ 4.00**
7062	Please refer to E180CC.		
7077	GE USA. NOS.	OB/WB	**11.00** **20 @ 9.50**
7092	Equivalent to TB5/2500 = RS1046 = 3C/800E = B1153 = TB5-2500. Chinese new tested, guaranteed.	OB/WB	**275.00**
7094	USA NOS. RCA. Tested guaranteed.	OB/WB	**35.00**
7119	Equivalent to E182CC.		

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TYPE	COMMENT	BOX	£ GBP PRICE each
7189	RCA logo and Sylvania logo. USA NOS. Usually available.	OB	**35.00**
7189A	Please use EL84 Billington Gold equivalent, Russian. Small quantity of 7189A USA sometimes available.	OB	**15.00**
7193	or 2C22 USA NOS. Audio type, like 6J5GT but different pin out. Data vf=6.3v, if=300ma, va=300v, ik=11ma, s=3ma/v, pa=3.3w.	GVT	**5.00** **80 @ 4.00**
7199	USA NOS. RCA / others sometimes available. Tested guaranteed.	OB/WB	**50.00**
7199	Russian Sovtek NOS.	OB/WB	**6 @ POA**
7199 / 6AU8A	These are 6AU8A. NOS. GE, Sylvania, Tung-Sol, USA. Most have logo. You can buy on the Internet, adapters to convert 6AU8A into 7199. Data: http://www.tubedata.info/ if you have difficulty please contact our office.	GVT	**3.00** **10 @ 2.20** **400 @ 1.80**
7199 / 6GH8A	USA NOS with logo. Approximately 30 of each brand Zenith, GE, Sylvania and ECG. These are 6GH8A triode pentodes. They can work as a substitute for the rare 7199 by adding an adaptor that is sold in USA. You may receive tubes printed one of the following, all these are equivalents: 6AU8, 6AU8A, 6GH8A, 6BH8. Data for both types http://scottbecker.net/tube/index.html	OB	**3.00** **10 @ 2.20**
7199 USED	USA including RCA and Westinghouse. Used, test approximately 65-75 percent emission. 3 month guarantee.	WB	**21.00**
7233	RCA, Sylvania or Raytheon logo. USA made. NOS, few only. Rare item.	OB/WB	**25.00**
7236	Sylvania logo. USA NOS. When available – very rare.	OB/WB	**POA**
7236	Tung-Sol logo NOS, fully tested, guaranteed. USA made. 4 the same appearance. 7236 is a 6AS7G 6080 substitute and provides a higher mu.	OB/WB	**75.00** **4 @ 70.00**
7247 / 12DW7	NOS. USA includes RCA.	OB/WB	**19.00**
7247 / 12DW7	NOS. Mullard UK.	OB/WB	**40.00**
7247 / 12DW7	NOS. Telefunken.	OB/WB	**POA**
7289	Please refer to **2C39.**		
7308	Sylvania logo, grey pin, green logo, USA. NOS. 7308 acid etch.	OB/WB	**60.00**
7308	E188CC. USA NOS.	Most OB	**POA**
7308	Refer to 6922 E88CC, near equivalent.		
7308 USED	Amperex, USA gold pin. White print, believed to be 1960s made. PQ version. Very rare. Test as used.	WB	**60.00**
7308 / E188CC	These are 7308 Sylvania USA. Grey pin, green logo. NOS & tested.	WB	**50.00**
7308 / E188CC USED	These are 7308 Sylvania USA. Grey pin, green logo. Test as used but look almost new.	WB	**30.00** **10 @ 26.00**
7327	Sylvania + other USA NOS.	OB/WB	**6.25**
7355	RCA, Sylvania or Raytheon logo. USA made. NOS, these are partly similar to EL34 but not equivalent.	OB/WB	**23.00** **4 @ 20.00**
7360	Various USA. NOS.	OB	**36.00** **20 @ POA**
7370	RCA, Sylvania or Raytheon logo. USA made. NOS, these 7370 are very similar to 5687 but 7370 have higher anode current.	OB	**6.00** **30 @ 5.00**
7370 / E182CC	10 x RCA, 10 x Sylvania, 10 x Westinghouse. USA made NO with logo. These 7370 are similar to E182CC, 7119, 5687 but 7370 have 40V heater.	OB	**6.00** **30 @ 5.00**
7432	Equivalent to EF72, CV465, CV4501 and 5840. These are Mullard, UK / Holland. Superior quality to 5840 USA made. You will receive Mullard, UK CV465 or CV4501. NOS. A sub miniature pentode, wire ended. 500 pieces. EF72 data: Vf=6,3V, If=150Ma. Data/photo http://www.r-type.org/exhib/aab0174.htm http://tubedata.itchurch.org/sheetsE2.html	GVT	**13.00** **20 @ 11.00** **200 @ 10.00**
7433	Equivalent to CV466, CV4502, similar to 5840. These are Mullard, UK / Holland. NOS. A sub miniature pentode, wire ended. 500 pieces. Data: Vf=6,3V, If=150Ma	**GVT**	**4.00** **20 @ 3.00** **700 @ 2.50**

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TYPE	COMMENT	BOX	£ GBP PRICE each
	Data/photo: http://www.r-type.org http://tubedata.itchurch.org/sheetsE2.html		
7433 / CV466	Please refer to entry "5840/CV4502", approx page 70, for stock/prices.		
7435 / 6AL5	Bargain price audio diode! Mullard, UK CV4504 equivalent to EA76 and 7435 & 2S-141G. NOS, clean and guaranteed. Similar to half of an EB91 diode. They handle approximately 10Ma DC so can be used in pre-amp and tube pedal power supplies. Near offers considered. Data www.tubecollector.org/cv4504.htm or http://tubedata.itchurch.org/sheetsE.html Photos/data www.r-type.org/exhib/aaa1300.htm	GVT	**2.30** **10 @ 1.00** **100 @ 0.85** **4,000 @ 0.60**
7458	UK/USA NOS. Good quantities in actual physical stock. Please enquire.	Most OB	**POA**
7475	UK/USA NOS. Good quantities in stock. Please enquire.	Most OB	**POA**
7475 / VS70	Mullard, Valvo & other West European made NOS.	OB/WB	**7.00** **5 @ 6.00** **100 @ 4.50**
7486AL	GE made in USA. NOS. Good quantities in actual physical stock. Please enquire.	OB	**30 @ POA**
7534	Please refer to E130L, in stock.		
7581A	ECG Philips logo. USA NOS. 12 pieces look the same. Matched pairs may be possible. Very attractive appearance. Also 2 pieces GE NOS 7581A at the same price.	OB	**85.00** **4 @ 80.00** **12 @ 70.00**
7581A	NOS GE / other USA. An uprated substitute for 6L6GC. 2 of the same appearance. Electrical match pair, maybe possible for small extra fee.	OB	**65.00** **2 @ 60.00**
7581A USED	USA brands including GE. Used, tested and guaranteed. Decent appearance.	WB	**32.00** **4 @ 30.00**
7581A	Equivalent to **6L6GC** and **5881.**		
7586	RCA, USA. NOS, clean, uniform. Guarantee. Audio type. Data: Vf=6.3V, If=135Ma, Va=110V, Ik=15Ma, S=11Ma/V, Pa=1W. Many audio applications, including microphones, eg AKG C12B, Philips LBB9060.	OB/WB	**12.00** **8 @ 9.00** **40 @ 8.00**
7586 **Grade One**	Mostly RCA, plus other USA made. A few Hitachi Japan. Refer to 7586 NOS paragraph, for audio applications. Do not look new but decent appearance. Tested and guaranteed.	G1	**3.50** **50 @ 3.00**
7587	40 Sylvania, 40 RCA. USA. NOS, clean, uniform and guarantee. Audio Nuvistor. Sockets to fit from stock. Potential audio type. Might suit microphones. Data http://tubedata.itchurch.org/sheets71.html Data: Vf=6.3V, If=150Ma, Va=125V, Ik=10Ma, S=10Ma/V, Pa=2.2W	OB/GVT	**7.00** **8 @ 5.00** **80 @ 4.75**
7591A	4 pieces Amperex USA. All the same plus a small quantity other USA made NOS. Glass, genuine item.	OB	**52.00** **4 @ 50.00**
7591A	USA made. NOS. Glass, genuine article. GE, RCA etc. These are singles not 2 of the same appearance. Hence reduced price.	OB/WB	**90.00**
7591A USED	USA made. Glass. The original article. GE RCA etc. Used, not new, but tested, guaranteed. 2 pieces of the same appearance.	WB	**45.00**
7591A Replacement	USA made. This plug in replacement is a 6GM5 or 7868 plus base adapter, fits all 7591A sockets, with no electronic alterations necessary. NOS. Tested, guaranteed.	WB	**32.00**
7591A / 7591S	JJ logo made in Slovakia. NOS. Glass, genuine item.	OB	**16.00** **10 @ 15.00** **20 @ POA**
7609 **Grade One**	Eimac USA. Eimac logo, clean and guaranteed. These are a possible alternative, not equivalent to 4CX250B, but the 7609 have a 26.5v filament. Super low cost! Not of new appearance but are very clean. Tested as Grade One.	G1	**24.00** **100 @ 15.00**

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TYPE	COMMENT	BOX	£ GBP PRICE each
7643 / ECF80	Refer to E80CF.		
7643	Refer to E80CF.		
7687	Sylvania logo USA NOS. Similar to 7199 but different pin out. Data on request.	OB/WB	**20.00** **10 @ 16.00**
7815 USED	**or ML7815**. USA made, brands include Eimac and Matchelett. Used ex-equipment pulls. Tested and guaranteed. Good appearance for a USED tube.	WB	**8.00** **100 @ 6.00 or offer**
7815AL	USA NOS. Brands include Eimac.	OB/WB	**80.00** **35 @ 60.00**
7815R	USA. Brands including Eimac.	OB/WB	**80.00** **17 @ POA**
7854	Made in West Europe or USA NOS. We have good quantities in stock. Please enquire.	Most OB	**POA**
7868	USA. NOS. Pentode for juke boxes, etc. Most are Sylvania logo.	WB	**35.00** **4 @ 30.00**
7868 **Grade One**	USA Grade One. Doesn't look new, looks decent. Tested around 80 percent emission approx and guaranteed. Sylvania, Raytheon etc. Sets of 2 the same appearance.	G1	**26.00**
7868 USED	Tested as used. Guaranteed. USA Westinghouse etc.	WB	**18.00** **4 @ 16.00**
7895	USA brands, including Philips. Equivalent to 7586 but higher mu.	OB/WB	**7.50** **15 @ 5.00**
7979	Raytheon logo, USA NOS. Flying lead, wire ended Philips. Data http://tubedata.itchurch.org/sheets71.html	GVT	**10.00** **10 @ 7.00** **1,500 @ 6.00**
8003	Please refer to equivalent, in stock, 2J-211-H.		
8005	RCA logo, 2 pieces same appearance. USA NOS. Tested, guaranteed.	OB	**110.00** **2 @ 105.00**
8005 **Grade One**	Audio triode, 10v heater, 75w anode. USA, tested, used. Don't look new, but look decent. 2 pieces RCA, 2 pieces of the same appearance. Data: http://www.tubedata.info/ if you have difficulty please contact our office.	Old OB	**80.00** **2 @ 75.00**
8020	Mixed brands. Mostly USA. NOS & guaranteed.	OB/WB	**20.00** **15 @ 17.50**
8020W	USA, NOS.	OB/WB	**22.00** **10 @ 18.00**
8042 / 4652	USA. NOS. Some similarities to 6146B, but not equivalent.	OB/WB	**15.00**
8056	50 RCA. USA. NOS, guaranteed Audio Nuvistor. Sockets to fit from stock. Data: http://www.tubedata.info/ if you have difficulty please contact our office.	OB/GVT	**4.00** **5 @ 4.00** **30 @ 3.50**
8058	RCA. USA. NOS, guaranteed Audio Nuvistor. Data: http://www.tubedata.info/ if you have difficulty please contact our office.	OB/WB	**12.00** **16 @ 11.00**
8068	GE or Raytheon, USA NOS.	OB	**40.00**
8068 **Grade One**	GE or Westinghouse logo USA made. Tests as Grade One at 80 percent emission. Guaranteed.	G1	**20.00** **20 @ 16.00**
8082	GE USA. **Potential audio type**. Data: Vf = 6.3V, If = 240Ma, Va = 150V, Ik = 7.5 Ma, S = 10.5Ma/V, Pa = 1W. More data from GE "essential" book or our office.	GB	**30.00** **4 @ 27.50**
8083	8083/other USA made. **Potential audio type**. Data: Vf = 6.3V, If = 240Ma, Va = 150V, Ik = 7.5 Ma, S = 10.5Ma/V, Pa = 1W. Data https://frank.pocnet.net/sheets8.html More data from GE "essential" book or our office.	GB	**30.00** **4 @ 27.50** **20 @ 25.00** **Offers considered**
8102	Hundreds of UK or USA NOS in stock.	Mostly GVT	**1.00** **100 @ 0.70**

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TYPE	COMMENT	BOX	£ GBP PRICE each
8121	USA NOS.	OB/WB	50.00
8203	**These 8203 are similar to 6CW4**. USA made. Suitable for audio tuners. Similar to 6CW4 but has different pin out. All other data identical. Data filament 6V at 0.16 Amps, Ia=7Ma, Gm=6Ma/V. More data free on request.	OB/WB	12.00 4 @ 11.00 16 @ 10.00
8203 Grade 1	**These 8203 are similar to 6CW4.** USA made. Not new, but tested & decent appearance. Suitable for audio tuners. Similar to 6CW4 but has different pin out. All other data identical. Data filament 6V at 0.16 Amps, Ia=7Ma, Gm=6Ma/V. More data free on request.	G1	9.00 4 @ 8.00 100 @ 6.00
8233	Equivalent to **E55L.**		
8255	**Refer to E88C.**		
8334	Made in UK or USA NOS. We have good quantities in stock. Please enquire.	Most OB	3.00 Bulk @ POA
8393 / 7586	These 8393 are a 13v heater version of the 7586 Nuvistor. USA. NOS, clean, uniform. Guarantee. Audio type. These are 8393 13v heater. Data www.tubecollector.org/8393.htm	Most OB	8.00 15 @ 7.00
8416	Amperex USA. Gold pin NOS tested. Guaranteed. 4 pieces maybe available.	OB/WB	45.00
8416 Grade One	Amperex USA. Used not new but very clean, but tested to Grade One standard. Guaranteed. 2 pieces look the same.	G1	20.00
8417	Guide price, NOS GBP100 wholesale, (used version, half this price).	OB/WB	POA
8417	If you are an experienced technician, you may be able to change capacitors and circuit, to use 6Y6G KT88 in place of 8417.	OB/WB	POA
8417 / 6GB8	6GB8 usually replace 8417. For data please enquire. 6GB8 listed elsewhere in this catalogue.	OB	75.00 4 @ 60.00
8493	ITT USA NOS guaranteed. Available from our supplier.	GB	POA
8503	EEV, UK CV6022. NOS and tested with guarantee.	GVT	400.00
8533	Matchlett and other USA. NOS. Tested and very clean with 12 months guarantee.	OB	150.00
8552	Raytheon logo USA, NOS. like 6146b but not equivalent. Data www.tubedata.org	GB	10.00 40 @ 7.50
8560A	Eimac USA NOS. 6 month's guarantee.	GVT	66.00 5 @ 60.00
8608	Mullard, logo, UK / Holland NOS. This is a gold pin audio pentode, the same as E55L except that these 8608 have the anode connected to the top cap. Some similarities to EL34 but has a slope of 45Ma/V. B9D socket to fit from stock. Data www.tubedata.org	GVT	24.00 5 @ 22.00
8608 USED	Mullard/Amperex Holland. This is a gold pin audio pentode, the same as E55L except that these 8608 have the anode connected to the top cap. Used and tested. Refer to data & comments under 8608 NOS above.	WB	12.00 6 @ 10.00
8613	Thyratron ITT tube. NOS, 12 months guarantee. Several in stock.	GVT	350.00 6 @ 300.00
8745	Eimac / GE USA. Guaranteed.	GVT/WB	80.00
9001	UK/USA NOS. Good quantities in stock. Please enquire.	Most OB	5.00 Bulk @ POA
9002	RCA logo, USA. NOS. Audio type similar to 6J5G but 9002 has B7G base. Data http://tubedata.itchurch.org/sheets9.html X 160	Most OB	4.00 50 @ 3.50
9003	Various brands, USA manufacture. Acorn tube.	GVT	4.00 50 @ 3.00
9004	RCA USA manufacture.	GVT	4.00 100 @ 3.20
9006	RCA, USA. NOS. Data http://tubedata.itchurch.org/sheets9.html	OB	3.00 6 @ 2.50 140 @ 2.00
9514	Made in West Europe or USA NOS. We have good quantities in	Most OB	POA

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TYPE	COMMENT	BOX	£ GBP PRICE each
	stock. Please enquire.		
8931	UK/USA NOS. Good quantities in stock. Please enquire.	Most OB	**174.00** **Bulk @ POA**
13971	GE USA. Planar Triode. NOS. Contact us for data, or click the word "13971" at this link www.mif.pg.gda.pl/cgi-bin/vs4.pl.	OB/GB	**600.00** **20 @ POA**
13971-2	GE USA. Planar Triode. NOS. Contact us for data, or click the word "13971" at this link www.mif.pg.gda.pl/cgi-bin/vs4.pl.	OB/GB	**600.00** **30 @ POA**
6J7G / 18015	These are 18015 Philips logo NOS. West Euro made. ST shape. Require large B7 socket (SOC7PT4C socket from our stock). Audio pentode with some similarities to 6J7G EF86 and C3M but not equivalent (21v heater B7 base). Vade mecum data https://tubedata.altanatubes.com.br/search/ These are 180151 tubes. Near offers considered for 100 pieces.	OB	**7.00** **2 @ 6.66** **20 @ 5.00** **400 @ 4.00**
18042 / E83F	These are 18042 audio pentode. Valvo logo or Mullard logo. West Europe. NOS. Gold pin. 18042 is an 18 volt heater version of E83F Philips mesh anode. When available. Data http://www.mif.pg.gda.pl/homepages/frank/vs.html	WB	**POA**
18046	Valvo logo gold pin Holland. A long life AUDIO pentode suitable as audio output valve or pre-amplifier. Data – Vf =20, If=135, Va max=210, Ik max=30, S=12, Pa max.=4.5 18046 (18v heater) is very similar to E81L (6V heater). 10,000 hour life rating. Data www.tubedata.org	Mostly OB	**4.00** **20 @ 3.50**
68506	EEV, UK, NOS. 3 pieces. Rectifier for battery chargers. Some similarities to type 367.	GVT	**70.00**
A101	Dekatron Nixie Russian. NOS.	WB/OB	**7.00** **20 @ 5.50**
A901 / CV1722	An audio tetrode. GEC sticker, brown base, "Coca-Cola" bottle shape. Data/photo www.r-type.org/exhib/acl0245.htm	GB	**52.00** **8 @ 40.00**
A901 / CV1722 / POVT179	GEC UK NOS tetrode valve / electron tube. Data https://frank.pocnet.net/other/ServiceTypes/CVnumbers.html GEC sticker, brown base, "Coca-Cola" bottle shape. Data/photo www.r-type.org/exhib/acl0245.htm	GBox	**36.00** **20 @ 29.00**
A907 / CV1722	Made in West Europe or USA NOS. We have good quantities in stock. Please enquire.	Most OB	**POA**
A1714 / CV408	Audio triode. GEC sticker, UK NOS. Clean and guaranteed. These A1714 single triode are similar to half of E288CC but different base & internal resistance. A1714 is B7G base and a useful audio triode. E288CC sell for well over GBP80. Data http://tubedata.itchurch.org/sheetsA.html	Most GVT	**8.00** **10 @ 6.00**
A1820	Audio tube. GEC UK NOS. tested guaranteed.	GVT / WB	**10.00** **6 @ 7.75**
A1834	Please refer to equivalent **6AS7.**		
A2134	Equivalent to **CV4062.**		
A2134 / EL84	GEC UK, please refer to CV2179.		
A2272	**Hi voltage audio rectifier. S**imilarities to 6D22S and EY84. Sockets (SOC950) to fit from stock. GEC sticker. UK NOS, clean, uniform and guarantee. A half wave rectifier diode. Data/photo www.r-type.org/xtras/xtra00282.htm Vf=6.3V, If=1600Ma, Va=5500V, Ik=100Ma. www.frank.pocnet.net	OB/WB	**16.00** **50 @ 9.00**
A2293	GEC sticker. UK NOS. Printed CV4079. O getter. Black anode. Similarities to GEC 6080.	Most GVT	**12.00** **10 @ 11.00** **25 @ POA**
A2293	GEC sticker. UK NOS. Printed CV4079. Square getter. Black anode. Tall size	Most GVT	**29.00** **10 @ POA**
A2293 **Grade One**	GEC sticker. UK. Test as Grade 1. Very small stains in the glass. O getter. Similarities to GEC 6080. Data in above section.	GVT	**7.50**

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TYPE	COMMENT	BOX	£ GBP PRICE each
A2293 USED	GEC sticker. UK. Test as used (approx 65 percent emission). O getter. Similarities to GEC 6080. Data in above section.	GVT	**5.00**
A2293 / CV4038	These CV4038 black anode. UK. NOS. They are equivalent to A2293 / CV40709 but are wire ended, flying lead. Military print, by GEC or Brimar. Similar to a half of a GEC 6080. 100 pieces. Data curves/photo www.tubecollector.org/cv4038.htm & www.r-type.org/exhib/aaa0258.htm	GVT	**10.00** **10 @ 6.00** **200 @ 4.00**
A2426	Please refer to CV2231 near equiv. A2426 is octal m, CV2231 is B9A. These 2 are equivalent in all other ways.		
A2426	GEC sticker UK. NOS, CV4082. Photo/data, refer to other A2426 section below. Beam Power Tubes. They make great drivers for 211 and 845 tubes, if the A2426 is in triode mode.	GVT	**18.00** **8 @ 13.00** **40 @ 8.00**
A2426 USED	GEC logo UK. CV4082. Look slightly used, many test near new. Data from our office. 16 pieces.	WB	**10.00**
A2426 Grade One	GEC logo UK. CV4082. New, unused, military box. Some stains in the glass where they were tested or stored. If you don't mind cosmetic imperfections that don't matter, you can save a lot compared to new price. Test as new!	G1	**12.00** **10 @ 10.00**
A2521	GEC, UK NOS. A2521 is similar to 5842 / 417A, though not equivalent. A2521 data http://www.r-type.org/exhib/abn0004.htm 5842 data http://www.r-type.org/xtras/xtra01401.htm	OB/WB	**10.00** **10 @ 6.50** **50 @ 5.75**
A2521	Equivalent to CV2453.		
A2563	GEC/MWT UK manufacture.	OB	**15.00**
A2599	GEC logo or sticker, UK. NOS. Audio triode partly similar to 5842. Data: Vf=6.3V, Va=150V, Ik=16Ma, S=15Ma/V. Data http://tubedata.itchurch.org/sheetsA.html	GVT	**20.00** **32 @ 8.00**
A2674	GEC Sticker, UK. NOS. For data and more info please see the "436A" entry in this catalogue.	GB	**68.00** **8 @ 58.00**
A2674 Grade One	GEC Sticker, UK, NOS. For data and more info please see the "436A" entry in this catalogue.	G1	**50. 00** **8 @ 45.00**
A2900	A2900/CV6091. GEC sticker UK made. NOS. Black anode, triple mica, square getter.	OB	**230.00** **2 @ 220.00** **4 @ POA**
A2900	A2900/CV6091. GEC UK made. NOS. Black anode. Disc getter or ring getter.	OB	**145.00** **2 @ 140.00** **4 @ POA**
A2900 Grade One	GEC, UK Grade One. Guide price GBP115.00 wholesale.	G1	**POA**
A2913	GEC logo UK NOS. CV5413 / A2913 is special quality low noise amplifier triode. B7G base. Anode dissipation 2.5 watts. Low noise is obtained by running at higher anode current. CV4107 is equivalent to A2913. CV4107 data http://frank.pocnet.net/other/ServiceTypes/cv4-4/CV4107.pdf	GVT	**5.00** **100 @ 4.00**
A2975 / CV10813	Audio triode. GEC sticker, UK NOS. Clean and guaranteed. These A2975 are similar to A714 single triode but A2975 are somewhat lower emission. Also similar to half of E288CC but different base & internal resistance. A2975 is B7G base and a useful audio triode. E288CC sell for well over GBP80. Data http://tubedata.itchurch.org/sheetsA.html	OB/WB	**8.00** **16 @ 6.00**
A3283	GEC sticker, UK NOS. Audio pentode.		**17.00** **20 @ 15.00**
A3341	Hundreds of UK or USA NOS in stock.	Mostly GVT	**8.00** **100 @ 6.00**
A3343	GEC, UK. NOS. Mint condition. Equivalent to DET23 & CV354. A3343 is a glass disc seal, high transconductance broadband triode. For details: http://www.r-type.org/pdfs/det23.pdf.	GVT	**10.00** **500 @ 8.00**

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TYPE	COMMENT	BOX	£ GBP PRICE each
Aa	West European NOS. Guide price GBP50 wholesale.		**POA**
AC701	NOS, Telefunken West German. Ulm factory. For vintage microphones eg Neumann KM54, Schoeps M221B etc. Red dot tube, NOS. Our supplier plugged these into test equipment. Therefore the wires have small pieces of solder. Guide price GBP500 wholesale, if available.	WB	**POA**
AC701 Grade One	Telefunken. Tested Grade One. Look decent, do not look new. Test 80 percent emission or more. Guaranteed. Guide price GBP300.	G1	**POA**
AC701 USED	Telefunken. Used not new looking. Tested working, 4 pieces.	WB	**POA**
AC701K Grade One	Telefunken. Grade One. Tested. Guide price GBP 450.	G1	**POA**
AC701 / 5718	Thomson, logo NOS. Clean and guaranteed. These are 5718. 5718 can replace the super expensive and rare AC701, you need to adjust the heater voltage, and pinout. We can provide data sheets etc, but you would need to be a qualified test technician or similar, to carry out necessary adjustments. We cannot advise on adapting individual microphones. 5718 heater 6.3v at 150Ma, anode 13ma. Mutual conductance 6.5ma/v. Data: 5718 – Vf=6,3V, If=150Ma, Va=100V, Ik=22Ma More 5718 data http://tubedata.itchurch.org/sheets51.html Photo www.radiomuseum.org/tubes/tube_5718.html	OB	**4.00** **10 @ 2.80** **50 @ 2.50** **600 @ 2.00**
AC113	Also AC154, AC157, AA120 UK/US NOS.	OB/WB	**800 @ POA**
AC / HL	Equivalent to MH4. Mazda UK NOS. Shouldered shape GBP 28.00. Balloon shape GBP 65.00.	OB/WB	**28.00** **or** **65.00**
AC-P	Equivalent to ML4. Mazda or other UK. NOS shoulder shape. Straight shape GBP 36.00 Balloon shape GBP 66.00 Very rare but a few pieces usually in stock.	OB/WB	 **36.00** **or** **66.00**
AC-P1	Mazda UK NOS equivalent to ML4. Audio triode. Balloon shape. Data: http://www.tubedata.info/ if you have difficulty please contact our office.	OB/WB	**75.00**
AC-P4	Mazda UK NOS. Some printed CV1198. Audio triode. Data: http://www.tubedata.info/ if you have difficulty please contact our office.	OB/WB	**25.00**
AC-PEN	Or its equivalents: CV1674, AC/PTA, MPT4, MP/PENA, PEN4VA NOS valve tube. UK NOS from stock.	OB/WB	**12.00** **10 @ 10.00** **60 @ 9.00**
AC-PEN	MOV UK NOS. Audio tube. Please specify 5 pin or 7 pin version, both same price: Straight shape GBP 10.00 Balloon shape GBP 30.00 Several in stock. Data http://www.r-type.org.	OB/WB	 **10.00** **or** **30.00**
AC-PEN USED	MOV UK. Used, tested. Shouldered shape. Please specify 5 pin or 7 pin version, both same price. Audio pentode.	OB/WB	**7.50**
AC-PTA	UK NOS. Audio output valve.	OB/WB	**10.00**
AC-SP3A	Brimar/Ediswan/Mazda UK NOS. Seen in BBC audio amplifiers. Some are AC/SP3/RHA which is low noise version of AC/SP3/A Data for AC-SP3 tube, almost the same at http://tubedata.itchurch.org/sheetsA.html	OB	**16.00** **12 @ 14.00**
AC-SP3A USED	Brimar/Ediswan/Mazda UK used/tested. Suits BBC audio amplifiers. Some are AC/SP3/RHA which is low noise version of AC/SP3/A Data for AC-SP3 tube, almost the same at http://tubedata.itchurch.org/sheetsA.html	OB	**8.00** **12 @ 6.00**
AC-VP1	Mazda, UK. NOS. Shouldered shape. Large British 7 pin base. Audio mains pentode. Data http://www.r-type.org/exhib/aaa0320.htm	OB/WB	**6.00**

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TYPE	COMMENT	BOX	£ GBP PRICE each
AC2	West European made. Some NOS some used. Stock. Please enquire or make offer.	OB/WB	**Please make an offer**
AC2-HL / MH4	These AC2/HL Mazda's are a near equivalent to MH4. Balloon shape. An indirectly heated AUDIO triode.	OB/WB	**27.50**
AC2-PEN	West European made. Some NOS some used. Stock. Please enquire or make offer.	OB/WB	**25.00** **8 @ POA**
AC2 / PENDD USED	Mazda UK made. Used and tested. Please enquire for price.	OB/WB	**Stock**
AC5-PEN	UK made, NOS.	OB/WB	**25.00** **4 @ POA**
AC5 / PENDD	Mazda. UK made. NOS. Please enquire for price.	OB.WB	**Stock**
ACO42	or 2P Cossor UK NOS. Tested and guaranteed.	OB	**180.00**
ACO44	Mazda, UK NOS. Thin shouldered shape. Some are printed PP3/250. Limited quantity.	OB/WB	**200.00**
ACO44	Mazda, UK used tested, approximate 65 percent emission. Thin shouldered shape. Some are printed PP3/250. Limited quantity.	OB/WB	**100.00**
ACO44	Mazda, UK. Test below the proper standard (about 50 percent emission) hence the low price. Still useful in some radios etc. Thin shouldered shape. Some are printed PP3/250. Limited quantity.	OB/WB	**75.00**
ACO64 **Grade One**	Mullard, UK made. Thin shouldered shape. 1 only. Tests near new, but looks partly used, sold as Grade 1. It is very similar to an ACO44 but ACO44 emission is 5 ma/v, ACO64 emission is 3ma/v. Data http://www.r-type.org/equivs/weba.htm and http://www.frank.mif.pg.gda.pl/vademecum1.html	G1	**150.00**
ACT9	Equivalent to 3J/121E, CV28, BVR152B. In stock. UK NOS.	OB/WB	**Offers please**
ACT28	UK NOS. CV2163. CV5326. Tested and guaranteed.	OB	**335.00** **15 @ 300.00**
AC-TH1	Mazda logo UK. SLIGHTLY store soled but NOS guaranteed. Near equivalent to X41.	OB	**3.50** **100 @ 2.80**
AD1 / AD1n	Tungsram Hungary and Tesla Czechoslovakia. Clean, tested and guaranteed.	OB/WB	**150.00**
AD101	Telefunken logo, NOS.	OB	**160.00**
AD1N **Grade One**	Tesla Czechoslovakia. Tested as Grade One.	G1	**120.00**
AF7	See 6J7G / AF7 for prices and information.		
AL4	UK/USA NOS. Good quantities in actual physical stock. Please enquire.	Most OB	**POA**
APV4	Tungsram made in England. NOS. This is an audio rectifier, equivalent to MU14.	OB/WB	**20.00**
AL60	Mullard, logo, Holland. NOS. Audio pentode. Tube data: Vf=4.0V, If=2100ma, Va=500V, IK=90Ma, S=14Ma/V, Pa=18W. Socket to fit AL60 is in stock, our ref SOC7PT4C.	OB/GVT	**22.00**
ARP3	Marconi logo. USA/Canada. NOS. Socket to fit these usually in stock.	OB	**3.25** **200 @ 2.50**
ARP12	Equivalent to VP23 and CV1331. UK NOS. EMI or Mazda. Audio pentode. Mazda octal socket to fit these usually in stock. Sockets made in China, reference SOC89MA or similar reference. Data http://tubedata.itchurch.org/sheetsV.html	Mostly GVT	**8.00** **10 @ 7.00** **50 @ 6.00**
ARTP2	Mazda UK. NOS. Believed to be a triode pentode frequency changer for battery operated receivers. Believed to be equivalent to TP25. TP25 data http://tubedata.itchurch.org/sheetsT1.html TP25 photo http://www.r-type.org/exhib/aaa0700.htm	GB/WB	**4.25** **100 @ 3.50**
AT20 / MZ05-20	Very similar to PX4, but 6v heater. Directly heated audio triode. Mazda UK made NOS. Bulbous shape. For Shindo Lagrange and other high-end amplifiers. Heater is 6v @ 1000mA, anode is 600v	GB	**250.00** **4 @ 200.00**

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TYPE	COMMENT	BOX	£ GBP PRICE each
	@ 110 mA, S=4.2 ma/V, Pa= 20w. PDF data http://www.r-type.org/exhib/zaa0292.htm Schematic for AT20 amplifier http://tubeschematics.blogspot.com/2013/02/se-at20-417a-amplifier.html The schematic shows AT20 and 417A/5842 tubes in circuit. 417A Raytheon or west electric tubes usually in stock.		
ATP4	Mazda logo, UK NOS. Data www.tubecollector.org/atp4/htm.	OB	**9.00**
Audio Amplifier	Please refer to **CV57** for an audio amplifier that our consultant has built.		
AX50	Out of stock, please enquire.		POA
AZ1	Mullard logo, West European made. NOS. Tested. Shoulder shape. Guaranteed.	GB	**25.00** **16 @ POA**
AZ1	Tesla logo, NOS, tested guaranteed. Czechoslovakia. Some are made by Tesla, but with Triotron logo. Audio rectifier. Sockets to fit are in stock.	OB	**10.00** **25 @ 8.60**
AZ1 **Grade One**	East European, NOS. Sockets in stock (Ref. 8SC).	OB/WB	**7.00**
AZ11	Telefunken, West German. NOS. With logo. Tested and guaranteed. 6 pieces. Sockets to fit in stock.	OB/WB	**25.00**
AZ12	Mixed East European manufacture.	GVT	**8.40**
AZ12	Philips West European NOS. Near equivalent to 1561, RGN2004. Tested and guaranteed. Sockets to fit in stock.	OB/WB	**20.00** **8 @ 15.00**
AZ12	Telefunken and other West European NOS. Tested and guaranteed. Sockets to fit in stock.	OB/WB	**40.00**
AZ21	Siemens logo NOS. Tested guaranteed. Clean shiny appearance. Made in Austria, West Europe. Loctal base. Useful audio rectifier with similarities to AZ1, AZ31 and AZ41. Follow the links at https://frank.pocnet.net/vademecum1.html https://frank.pocnet.net/vademecum1.html	WB	**25.00**
AZ21 **Grade One**	Tungsram Hungary Grade 1. Tested guaranteed. Audio rectifier with similarities to AZ31 and AZ41.Data above.	G1	**25.00**
AZ31	Mullard, Western European.	OB/WB	**20.00**
AZ31 **Grade One**	Mullard, UK made. Tested and guaranteed.	OB/WB	**15.00** **5 @ 10.00**
AZ31 **USED**	Mullard, logo. UK made. Used but tested. Decent appearance and guaranteed.	WB	**10.00** **4 @ 8.70** **10 @ 8.00**
AZ41	NOS. West European made, mostly Valvo, a few Phillips. Tested and guaranteed with logo. AZ41 has ratings similar to 6X4, but AZ41 has 4 volt directly heated filament and B8A socket.	OB/WB	**10.00** **20 @ 8.00**
B36	NOS MOV metal base GBP90 wholesale. NOS MOV brown base GBP40 wholesale.	OB/WB	**POA**
B36 **Grade One**	MOV metal base GBP65 wholesale. MOV brown base GBP30 wholesale.	G1	**POA**
B36 **Grade One**	MOV metal base. Does not look new but looks decent. Tested to Grade One standard. 2 pieces same appearance available. With logo/sticker.	G1	**65.00**
B36 **USED**	MOV metal base. Does not look new but looks decent. Tested as used. Meaning emission approximately 65 or 75 percent. 2 pieces same appearance might be available. With logo/sticker.	WB/OB	**45.00**
B4	UK NOS. 1 only of this valve. An antique dull emitter made before 1926. Balloon shape. Mentioned in “British radio valve” book by Keith Thrower.	WB	**40.00**
B65	Marconi logo UK NOS, metal base. All 3 are grey glass.	OB/WB	**660.00** **3 @ POA**
B65	Marconi logo UK NOS, black base.	OB/WB	**250.00**

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TYPE	COMMENT	BOX	£ GBP PRICE each
	1 is grey glass & 1 is clear glass.		2 @ 225.00
B-5991	USA made Burroughs nixie tube NOS. Believed to be equivalent to 8422 NL8422, B5661 B5991. **Offers considered.** Data https://frank.pocnet.net/sheets/201/8/8422.pdf More data on request.	OB	17.50 36 @ 15.00
B-5992	USA or UK. Nixie tube NOS – when available. Data on request.	OB/WB	POA
B-59956	USA or UK. Nixie tube NOS – when available. Data on request.	OB/WB	POA
BA	Siemens. Shoulder shape. When available.	OB/WB	14.00
BAS / PTT2S	RT logo, French balloon shape.	OB/WB	16.00 20 @ POA
BASES	See TOP CAPS and SOCKET pages at the back of the catalogue.		
Bi	RWN Made by RFT East Germany ST shape. Minor marks due to storage. This is suitable as a driver for PX4.	WB	40.00
BK66 / 5550	Ignitron UK, NOS. Tested, guaranteed.	WB	120.00
BL63	CV1102 UK NOS. GEC/Marconi/ MWT. CV1102 data http://itchurch.org/other/ServiceTypes/CVnumbers.html Similar to **ECC32** but differences including pin out.	OB/WB	80.00 4 @ 70.00
BL63 Grade One	CV1102 UK NOS. GEC/Marconi/ MWT. CV1102 data http://itchurch.org/other/ServiceTypes/CVnumbers.html Similar to **ECC32** but differences including pin out.	G1	55.00 4 @ 45.00
BL63	UK. NOS.	OB/WB	POA
BR1106	Partly similar to 5924, TY7-6000 but not equivalent. EEV, UK NOS. Forced-air cooled Triode. Data Vf=5V, If-175 A, Va=6KV, Ia=1A, U=26-34. Offers invited.	GVT	400.00 5 @ 350.00
BT5	**BT5B,** UK NOS.	OB/WB	POA
C3C	Siemens logo, West German. NOS. 4 volt audio pentode, partly similar to C3G, but not equivalent. A good driver for 300B etc. Possibly 20 pieces. We have correct sockets in stock (refer SOC7E2D). Data https://frank.pocnet.net/sheetsC.html	OB/WB	16.00 20 @ 12.00
C3G	**Please refer to 5A-152G possible alternative.**		
C1148	EEV UK NOS tetrode. Tested. Lots of power for audio amplifier at a low cost. Guaranteed. Sockets to fit in stock. Brief data, heater 6.3V 4.4A, 40W anode dissipation.	GVT	75.00 25 @ 55.00
C1166	EEV, UK NOS. Superb quality with 12 months guarantee. Has similarities to 4PR60C, but is not equivalent. Data on request.	OB/GVT	55.00 5 @ 40.00
C3G	Siemens, Germany. 4 or 5 pieces in stock. Hurry will soon be gone!	OB/WB	35.00
C3M	Siemens logo, West German. NOS. A good driver for 300B. A circuit with C3M and 300B is in Glass Audio, edition 198.	OB	20.00 8 @ 17.50 50 @ 16.00 100 @ 15.00
C3M	Refer to E81L for suitable driver. E81L is a driver for C3M.		
C3M Grade One	Siemens logo, West German. Test as Grade One. Not new but decent appearance.	G1	15.00
C3M USED	Siemens logo, West German. Test as used. Not new but tested & guaranteed. A good driver for 300B. Audio circuit using C3M and 300B is in glass audio, edition 198.	WB	10.00 2 @ 7.00 40 @ 6.00
C6JF	Thyratron USA. NOS with 3 months guarantee.	Mostly OB	60.00 80 @ 50.00
C1150	UK/USA NOS. Good quantities in stock. Please enquire.	Most OB	POA
CA / 18028 / RE134	These are balloon shape 18028, Valvo logo, West German. Directly heated triode. NOS tested guaranteed. These 18028 are very similar to RE134 or CA 18028, heater is 3.6v at 1.1 A, RE134 is 4v at 150mA. Anode dissipation for 18028 is 5w, RE134 is 3w. Slightly different heater is no problem, 18028 replaces RE134, no problem. Data: http://www.tubedata.info/ if you have difficulty please	GB	120.00 4 @ 100.00 each

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PLEASE ADD 50 PERCENT RETAIL SURCHARGE FOR ORDERS UNDER GBP240.

BILLINGTON EXPORT LTD

TYPE	COMMENT	BOX	£ GBP PRICE each
	contact our office.		
CAPACITORS	We sometimes have "job lots" of capacitors. Please enquire.		
CATHODE RAY TUBES	Certain types in stock. Please enquire.		
CCS1	GEC/Eimac. CCS1=Y-799 is equivalent to 4CX250B. CCS1 has a large copper block instead of radiator fins. Ideal audio power amplifiers, high current, cool using a heat sink. No retail surcharge.	OB/WB	**30.00**
CD24	Rodan Nixie tube. Out of stock, please enquire.	OB/WB	**POA**
CK5678	Please refer to 5678.		
CL33	UK NOS. Please refer to equivalent PEN36C.		
CL33	Mullard UK NOS.	OB/WB	**12.00** **10 @ 10.00**
CR3A	Made in West Europe or USA NOS. We have good quantities in stock. Please enquire.	Most OB	**POA**
CV18	Equivalent to 2C34 and DET19.		
CV31	West European.		**POA**
CV57 **Grade One**	GEC UK tested as grade one. Guide price GBP22.50 wholesale.	G1	**POA**
CV57 USED	GEC UK. Tested as used. Guarantee. Guide price GBP15 wholesale.	BP	**POA**
CV63	GEC UK NOS. GEC audio triode. Also known as E1323. Photo/data: http://www.r-type.org/exhib/aac0018.htm CV63 is near equivalent to 2C22, 7193, CV6, CV1135, DET20, E1148 & VR135. Ask us for data sheet for both types (CV63 and 2C22).	OB/WB	**20.00** **10 @ 16.00** **30 @ 14.00** **100 @ 12.00**
CV90 / E1368	GEC VHF triode. Collector's item from the 1940s. 10 pieces. Great data/photos http://www.r-type.org/exhib/abo0044.htm	OB	**10.00**
CV121	Ediswan UK rectifier. Equivalent to **19H1** and possible alternative, not equivalent to **U19**. Potential audio type.	GVT	**4.80** **100 @ POA**
CV124	Equivalent to **807.**		
CV140	Please refer to equivalent **CV4025.**		
CV187	Please refer to equivalent **U19.**		
CV233	UK/USA NOS. Good quantities in stock. Please enquire.	Most OB	**POA**
CV238	UK NOS. A S Band klystron. 2.93 - 3.13 GHz. Near equivalent KR6/3. For airborne Radar. The resonator (like anode) operates at 250v. The electrical tuning range is 20 MHz. Near equivalents include KR6/3, CV116, CV272 CV35 CV67	GVT	**13.00**
CV273	UK/USA NOS. Good quantities in stock. Please enquire.	Most OB	**POA**
CV315	Please refer to **4304C.**		
CV345	Refer to 12E1.	OB	**POA**
CV358	Please refer to **EF37A**.		
DISPLAY ITEM **CV360 or CV6173**	UK, probably NOS unused item but without guarantee. Possibly working. Photographs on request. Interesting "string vest" appearance. Would make great display pieces.		**15.00** **10 @ 12.00**
CV367	UK/USA NOS. Good quantities in stock. Please enquire.	Most OB	**POA**
CV372	EEV UK made NOS. Please see 3C45 EEV.	OB/WB	**40.00**
CV372	Westinghouse logo, NOS. No certainly as to which country this was made in. Clean and tidy. Guarantee is 12 months from despatch date. Equivalent to FX227 and 3C45.	OB/WB	**25.00** **50 @ 20.00**
CV391	Please refer to **5B-255M** exact equivalent.		
CV425 / OA74	Semi-conductor made in UK/USA in stock.	OB/WB	**POA**
CV428	Equivalent to **5B-254M** ITT/STC brands.		
CV434	UK/USA NOS. Good quantities in stock. Please enquire.	Most OB	**POA**
CV450	**EL38** Mullard, equivalent to 6CN6. Please refer to EL38 for prices and quantities.		
CV455	Equivalent to **ECC81.**		
CV466	Mullard UK NOS. These CV466 are sub miniature wire ended audio	GB/WB	**5.00**

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TYPE	COMMENT	BOX	£ GBP PRICE each
	pentodes. Good quantities available. Please enquire. CV466 are similar to 5840 but not exact equivalent. Would suit audio compressors.		**10 @ 4.00** **100 @ 3.00**
CV466	CV466 equivalent to VX8046.		
CV491	Equivalent to **ECC82.**		
CV492	Equivalent to **ECC83.**		
CV509	Equivalent to **6V6G.**		
CV511	Equivalent to **6V6GTB.**		
CV574	Refer to **6X5GT.**		
CV575	Equivalent to **5U4G**.		
CV587	Please refer to **6Q7G**.		
CV591	Please refer to **6SJ7**.		
CV717	Equivalent to **5R4GY.**		
CV729	Equivalent to **5V4G.**		
CV784	UK/USA NOS. Good quantities in stock. Please enquire.	Most OB	**POA**
CV850	Equivalent to **EF95.**		
CV858	Equivalent to **6J6** and **ECC91.**		
CV980	UK NOS. A protective arrestor. Data http://www.tubecollector.org/cv980.htm	GVT	**11.00** **10 @ 9.00** **80 @ 7.00**
CV1035/VR35	Hundreds of UK or USA NOS in stock.	Mostly GVT	**POA**
CV1053	Please refer **EF39** Mullard.		
CV1060	Equivalent to **807.**		
CV1075	Equivalent to **KT66.**		
CV1111/ VU111/R11	Please refer to **U27** equivalent.	Mostly GVT	
CV1166	UK, NOS, Tested like VR22.	GB	**20.00**
CV1197	Refer to EC53 Mullard.	OB/WB	**POA**
CV1236	Made in West Europe or USA NOS. We have good quantities in stock. Please enquire.	Most OB	**POA**
CV1264	West European.		**POA**
CV1281	UK/USA NOS. Good quantities in stock. Please enquire.	Most OB	**POA**
CV1290	UK/USA NOS. Good quantities in stock. Please enquire.	Most OB	**POA**
CV1343	GEC UK NOS CV1343. Octal base. Please ask for free data sheet.	GVT	**12.00**
CV1347	Please refer to equivalent **ECH35.**		
CV1473	Photocell CMG22. UK USA NOS.	OB	**20 @ POA**
CV1501	GEC. We have stock. Please refer to TT11 / VT501 elsewhere in this catalogue.	GVT	**POA**
CV1587	UK/USA NOS. Good quantities in stock. Please enquire.	Most OB	**POA**
CV1651	Equivalent to VT68 UK, or G445. B4 base, audio triode x 10 B4 base audio triode. Mullard, logo UK NOS. Data from our office or www.shinjo.info/frank/other/CVspecs/index.html	Most GB	**30.00** **10 @ 23.00** **24@ 20.00**
CV1651 **Grade One**	B4 base **audio triode**. Mullard, logo UK. Test as Grade One. Data from us or www.shinjo.info/frank/other/CVspecs/index.html Equivalent to vt68 UK or G445 B4 base **AUDIO TRIODE** x 10.	G1	**20.00** **10 @ 15.00**
CV1675	Various UK brands. Audio pentode, equivalent to N43.	OB/WB	**10.00**
CV1722	UK/USA NOS. Good quantities in stock. Please enquire.	Most OB	**POA**
CV1835	Equivalent to **3B28.**		
CV1848	UK/USA NOS. Good quantities in stock. Please enquire.	Most OB	**POA**
CV1884	Please refer to **33A-158M.**		
CV1934	Refer to **6J5GT.**		
CV1949	UK/USA NOS. Good quantities in stock. Please enquire.	Most OB	**POA**
CV1976	UK/USA NOS. Good quantities in stock. Please enquire.	Most OB	**POA**
CV1985	Equivalent to **6SL7.**		
CV1988	Equivalent to **6SN7GT.**		
CV2000	(EF91 fly leads) 5A/159N. NOS. Brimar 1960s vintage British made.	Mostly GVT	**3.00**

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TYPE	COMMENT	BOX	£ GBP PRICE each
	Long lasting good quality signal pentode. CV2000 5A/159N is equivalent of EF91 or 6064 but with wire leads. **Audio** pentode data www.tubedata or ask our office.		**100 @ POA**
CV2006	Western Electric logo in stock. Please enquire.	OB/WB	**POA**
CV2013	Equivalent to **CV4055.**		
CV2116	Equivalent to RK2116, UK manufacture NOS by EMI, etc. A reflex klystron (a microwave oscillator that requires an external resonant cavity to operate). They operate between 1.8 and 4.5 GHz. Data www.tubecollector.org/cv2116.htm	GVT	**20.00** **20 @ 18.75**
CV2127	Equivalent to **CV4055** and **6CH6.**		
CV2130	West European and equivalents. QB3-300 Siemens RS1007, QY3-125, CV2130 and 6155. Data: Vf=5.0V, If=6500Ma, Va= 3000V, Ik=350Ma, S=2.5Ma/V, Pa=125W. Potential audio type. We have B5F sockets to fit this in stock. More data available. This is a DHT, directly heated triode.	WB/GVT	**25.00** **10 @ 20.00**
CV2135	Please refer to **6BR7.**		
CV2136	Equivalent to **CV4043**.		
CV2154	AEI, UK NOS equivalent to CV7108.		**40.00**
CV2155	AEI, UK NOS.		**40.00**
CV2169	EEV UK. Believed to be a particle accelerator. Weighs 7kg / 15 pounds. NOS and guaranteed. Offers invited for this item.	GVT	**400.00**
CV2171	UK/USA NOS. Good quantities in stock. Please enquire.	Most OB	POA
CV2174	UK/USA NOS. Good quantities in stock. Please enquire.	Most OB	POA
CV2179	**Please refer to CV4062 on approx page 89 for exact equivalent.**		
CV2208	UK/USA NOS. Good quantities in stock. Please enquire.	Most OB	**POA**
CV2213	Audio voltage regulator/stabiliser. Hivac CC3L. NOS guaranteed. Data www.tubecollector.org/cv2213.htm	GVT	**5.00** **20 @ 4.00** **250 @ offers**
CV2231	GEC Sticker UK NOS. Has similarities to EL34 C3M. CV2231 is a good driver for 845 tube in SE audio circuit. Data www.tubecollector.org/cv2231.htm Or www.shinjo.info/frank/other/CVspecs/cv4-2/CV2231.pdf	Most GVT	**5.00**
CV2231	Made in West Europe or USA NOS. We have good quantities in stock. Please enquire.	Most OB	**POA**
CV2237	UK/USA NOS. Good quantities in stock. Please enquire.	Most OB	**POA**
CV2258	Microwave semi-conductor diode, UK made NOS. Photo at http://www.tubecollector.org/cv2258.htm CV2258 C34B CS4B crystal valve semiconductor diode. A general purpose UHF-MW detector diode. This is an X-band mixer diode with a max frequency of 12GHz.	BP	**3.70** **10 @ 2.50** **700 @ 1.80**
CV2276 / Z319 / 6351	UK or USA NOS in stock.	Most GVT	**POA**
CV2277	UK/USA NOS. Good quantities in stock. Please enquire.	Most OB	**OA**
CV2287	Geiger tube. UK or USA NOS in stock. Photo/data http://www.tubecollector.org/cv2287.htm	Most GVT	**17.50** **50 @ 15.00**
CV2293	Equivalent to XB1. HIVAC USA made with Hivac logo. NOS. Clean and guaranteed. This barretter has possible audio use. Data http://frank.pocnet.net/other/ServiceTypes/CVnumbers.html Photo http://www.r-type.org/exhib/aai0180.htm	WB	**3.50**
CV2298	Huge GEC tetrode. New / NOS clean with guarantee.		**150.00**
DISPLAY ITEM **CV2298 USED**	Huge GEC tetrode space age appearance. 37 cms or 15 inches tall. **Used but clean untested without guarantee**. Photographs on request. Would look great as a display item or door stop!		**20.00** **8 @ 16.00**
CV2318	UK/USA NOS. Good quantities in stock. Please enquire.	Most OB	**POA**
CV2340	UK/USA NOS. Good quantities in stock. Please enquire.	Most OB	**POA**
CV2346	UK manufacture.	GVT	**50.00** **50 @ 45.00**

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TYPE	COMMENT	BOX	£ GBP PRICE each
CV2355	UK/USA NOS. Good quantities in stock. Please enquire.	Most OB	**POA**
CV2356	UK/USA NOS. Good quantities in stock. Please enquire.	Most OB	**POA**
CV2390	UK/USA NOS. Good quantities in stock. Please enquire.	Most OB	**POA**
CV2430	TR cell. Hundreds of UK or USA NOS in stock.	Mostly GVT	**30.00** **125 @ 20.00**
CV2431	Equivalent to **DG7-3**2 CRT.		
CV2478	UK NOS.	MB	**POA**
CV2482	UK/USA NOS. Good quantities in stock. Please enquire.	Most OB	**POA**
CV2486	UK/USA NOS. Good quantities in stock. Please enquire.	Most OB	**POA**
CV2492	Equivalent to **E88CC.**		
CV2721	Please refer to **EL81.**		
CV2886	Geiger tube. Hundreds of UK or USA NOS in stock. M2H.	Mostly GVT	**POA**
CV2901	Equivalent to **EF86.**		
CV2966	UK/USA NOS. Good quantities in stock. Please enquire.	Most OB	**POA**
CV2975	Equivalent to **6BQ5.**		
CV3946	UK/USA NOS. Good quantities in stock. Please enquire.	Most OB	**POA**
CV3998	Please refer to equivalent **E180F.**		
CV4001 / 6X4	Brimar UK NOS (flying leads, wire ended). “Scoba” logo, but made in the UK by Brimar. Square getter. Data https://www.tubecollector.org/cv4001.htm	OB/WB	**27.50**
CV4002	**Please refer to** EF91 / CV4002 in the EF91 section.		
CV4003	Mullard, logo UK, NOS, Box Anode, Big Ring Getter.	GVT	**80.00**
CV4003	Please refer to **ECC82** exact equivalent.		
CV4004	Please refer to **ECC83** exact equivalent.		
CV4006	6BR7 Brimar UK, Brimar logo. Same as EF86 but lower microphony, different pin out. Please refer to **6BR7** for prices.	OB	**See 6BR7**
CV4007	Please refer to **CV4025** for superior quality equivalent.		
CV4010	Mullard, UK. Please refer to EF95. Hundreds in stock.	GVT	**See EF95**
CV4014	Please refer to **EF91**.		
CV4020	Equivalent to **OA2WA** and **CV4100**.		
CV4024	Please refer to **ECC81** for all details.		
CV4025	Mullard, old style logo. Hundreds in stock.	GVT	**3.00**
CV4025	Please refer to **EB91** section, Mullard equivalent.		
CV4025	Superior equivalent to **6AL5**, **6058**, **E91AA** and **EB91**.		
CV4029	Please refer to **5902.**		
CV4031	Please refer to **ECC91** for details.		
CV4034 / ECC82	Brimar logo UK. Please enquire.	GVT	**POA**
CV4034 / ECC82	Mullard, logo UK. NOS. CV4034/F6067. Identical to UK. ECC82 except these have flying leads (wire ended) instead of B9A Socket so they can be soldered straight into the PCBs, which yield low noise.	GVT	**20.00**
CV4034 / ECC82	RFT German manufacture. NOS. CV4034/F6067. Identical to ECC82 except these have flying leads (wire ended) instead of B9A socket. These can be soldered straight into the PCBs, which yield low noise.	WB	**9.00**
CV4036	UK/USA NOS. Good quantities in stock. Please enquire.	Most OB	**POA**
CV4043	Please refer to **6BW6.**		
CV4044	Mullard, UK. Equivalent to M8091/CV2235. Hundreds in stock.	OB/WB	**4.00**
CV4045	UK NOS.		**POA**
CV4052 / 85A2	CV4052 are currently out of stock. 852A is similar, but not equivalent. See other entries in the catalogue for 852A.		**POA**
CV4055	A working audio amplifier using CV4055 can be viewed, by appointment, at our Billingshurst office.		
CV4055	Please refer to **6CH6** for information.		
CV4056	F/6132 Brimar UK 6CH6. Same as 6CH6 above** but with flying leads / wire ended.	OB/WB	**5.00** **400 @ 3.00**

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TYPE	COMMENT	BOX	£ GBP PRICE each
CV4058	Exact equivalent to **6C4.**		
CV4060	Please refer **S11E12** for more information.		
CV4061	GEC UK NOS. Nice 70s vintage British made GEC Genelex CV4061. High voltage double diodes. Potential audio type. Data www.tubecollector.org/cv4061.htm.	GVT	**2.30** **10 @ 2.00** **50 @ 1.70** **500 @ 1.50**
CV4062	Please refer to **A2134**.		
CV4062	GEC UK NOS. Clean and guaranteed. Military quality B7G pentode. CV4062 are a possible alternative, not equivalent to EL84, but has a different base and transformer ratio. Data Vf=6.3V, If=635Ma, Va=300V, S=12Ma/V, Pa=9W. Data http://tubedata.itchurch.org/sheetsA.html Photo http://www.r-type.org/exhib/aaa0224.htm	GBox	**9.00** **30 @ 7.00** **300 @ 5.00**
CV4062 / A2134	These are CV4062 or CV2179 black anode. **D getter**. GEC UK NOS. All have GEC logo or GEC sticker.	Most GVT	**10.00** **50 @ 9.00**
CV4062 / EL84	**or A2134 or CV2179.** GEC UK NOS. Clean and guaranteed. All CV4062 GEC sticker or GEC logo. Military quality B7G pentode. Most are **CV4062 and are a possible** alternative, not equivalent for EL84, but has a different base and transformer ratio. Data Vf=6.3V, If=635Ma, Va=300V, S=12Ma/V, Pa=9W. Data http://tubedata.itchurch.org/sheetsA.html Photo http://www.r-type.org/exhib/aaa0224.htm	WB	**9.00** **30 @ 7.00** **300 @ 5.00**
CV4063	Brimar or EW. UK/USA NOS. Good quantities in stock. Please enquire	Most OB	**POA**
CV4064	UK/USA NOS. Good quantities in stock. Please enquire.	Most OB	**POA**
CV4067 / VX8167	UK USA NOS. Output pentode, might suit audio application. You will receive Mullard VX8167 or Raytheon 5902. The following are believed to be equivalent or near equivalent. Find data on the other types mentioned at the below website: https://frank.pocnet.net/index.html# http://www.r-type.org/search.php	GVT	**5.00** **20 @ 4.00** **150 @ 4.50**
CV4068 USED	Brimar logo UK. Used, tested, guaranteed. Black anode. Equivalent to **13D3**. Near equivalent to ECC32 except CV4068 are B9A base.	BP	**15.00**
CV4071	GEC UK NOS. Vacuum rectifier. Can rectify 50ma at 6,000 volts. Nice 1960s vintage genuine GEC made. Data www.r-type.org/exhib/aaap0005.htm.	Mostly GVT	**5.00** **100 @ 3.50**
CV4079	Please refer to **A2293**. **Potential audio type**.		
CV4085	Equivalent to **EF86.**		
CV4096	Raytheon USA NOS. 1970s vintage military issue VX9185 tube, a long lasting good quality sub-miniature tetrode. Data www.tubecollecto.org/cv4096.htm	GVT	**4.00** **300 @ 3.00**
CV4097	S2P20 **most** Raytheon USA, **some** STC UK. All NOS with logo. B9A audio tetrode with **similarities to EL84**. Data: http://www.tubedata.info/ if you have difficulty please contact our office.	OB/WB	**3.00** **100 @ 2.50**
CV4116	Hundreds of UK or USA NOS in stock.	WB	**4.00** **100 @ 3.00**
CV4502	Mullard, UK. Please refer to **7433.**	GVT	
CV4503	Equivalent to **7434**, CV472, CV476, VX7106. Wire ended pentode. Data: http://www.tubedata.info/ if you have difficulty please contact our office. This is a single triode similar to ECC82 double triode.	WB	**3.30** **250 @ 2.60**
CV4506	Mullard / Brimar UK. NOS. Near equivalent to 5899 / 5840.		**1,000 @ POA**
CV4516	UK / USA. NOS. Wire ended tube with some similarities to 85A2.	WB	**3.80** **20 @ 3.00**
CV4808	Semi-conductor made in UK/USA in stock.	OB/WB	**POA**
CV5080	Equivalent to **EF37A.**		

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TYPE	COMMENT	BOX	£ GBP PRICE each
CV5088	UK/USA NOS. Good quantities in stock. Please enquire.	Most OB	**POA**
CV5099	UK/USA NOS. Good quantities in stock. Please enquire.	Most OB	**POA**
CV5099	Equivalent to CV4078, Ferranti ZS22 and GEC SX644 silicon diode 1 GBP each wholesale price each. Please see our minimum order is 50 GBP plus VAT. free postage to UK/Europe on orders over 50 pieces and postage. High quality ex-military in sealed bags UK or USA made. These are NOS / new CV5099.	Bag	**1.00** **300 @ 0.80**
CV5099	Transistor. Made in UK/West Europe, good quantities of well-known brands in stock at our Billingshurst UK warehouse. Please enquire.	OB/WB	**POA**
CV5099 / 2S22	Semi-conductor made in UK/USA. In stock.	OB/WB	**POA**
CV5162	UK/USA NOS. Good quantities in stock. Please enquire.	Most OB	**POA**
CV5217	UK / USA. NOS.	WB	**5.00**
CV5242	UK/USA NOS. Good quantities in stock. Please enquire.	Most OB	**POA**
CV5413	A2913 GEC UK. Hundreds in stock.	GVT	**5.00**
CV5724 / E80T	Mullard beam switching valve electron tube.		**25.00** **10 @ 20.00** **50 @ 12.00**
CV5880	UK/USA NOS. Good quantities in stock. Please enquire.	Most OB	**POA**
CV5961	Hundreds of UK or USA NOS in stock.	Mostly GVT	**1.50** **100 @ 1.00**
CV5985-K35	UK/USA NOS. Good quantities in stock. Please enquire.	Most OB	**POA**
CV6005	Equivalent to BS502 VX9216. A monitor diode. They operate in frequency range 8.5-10 GHz. EEV UK. NOS. They cost the Royal Air Force a fortune but sold for bargain price! Guaranteed. NOS clean. Data sheet free from Billington Export office.	GVT	**25.00** **50 @ 15.00**
CV6006	UK/USA NOS. Good quantities in stock. Please enquire.	Most OB	**POA**
CV6022 **Grade One**	UK EEV manufacture. Slightly used with a black stain in the glass. Clean and tested with guarantee.	G1	**200.00**
CV6071 **Grade One**	UK USA NOS. In stock.	OB/WB	**GBP offers**
CV6087	Equivalent to VX8506 and LA9-3B, GEC or Mullard, NOS TR Cell Tube. They cost the Royal Air Force GBP2,500.00 but sold for bargain price! Don't be scared to make an offer. Guaranteed. NOS in clean GVT box. Data http://www.mif.pg.gda.pl/cgi-bin/vs4.pl	GVT	**GBP Offers**
CV6091	Please refer to **A2900**.		
CV6099	Appear to be UK NOS. Suitable for night vision goggles. We have no way of testing these, but they are decent appearance with a 90 day "no quibble" guarantee.	WB	**100.00** **4 @ 80.00**
CV6099	Mullard UK NOS. Image converter tube, suitable for the MK1 infra-red binoculars.		**80.00** **4 @ 70.00**
DISPLAY ITEM **CV6117 or CV6107**	UK, NOS item in OB but without guarantee. Probably working. Long thin tube 50 cms. Looks like a vintage thermometer. Photos on request.		**10.00**
CV6124 **USED**	Thomson France. A backward wave oscillator. Used, tested at low power. Guaranteed. Weighs 23 kg. Carriage to UK GBP20, overseas freight POA. Data/photo www.tubecollector.org/cv6124.htm	Box	**240.00**
CV6135	UK/USA NOS. Good quantities in stock. Please enquire.	Most OB	**POA**
CV6168	WF461 Ferranti Radar TR Cell Tube. Suits OTH radar. It switches the waveguide from receive to transmit. They cost the Royal Air Force a fortune but sold for bargain price! Guaranteed. NOS in sealed bag and GVT box.	GVT	**10.00** **100 @ 8.00**
CV6169	Ferranti WF471. Radar TR Cell Tube. Suits OTH radar. It switches the waveguide from receive transmit. They cost the Royal Air Force a fortune but sold for bargain price! Guaranteed. NOS in sealed bag.	GVT	**10.00**
DISPLAY ITEM	UK, probably NOS but without guarantee. Probably working Photo		**15.00**

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TYPE	COMMENT	BOX	£ GBP PRICE each
CV6173 or CV360	on request. Interesting "string vest" appearance.		10 @ 12.00
CV6208	UK/USA NOS. Good quantities in stock. Please enquire.	Most OB	POA
CV6223	Mullard, UK. NOS. For you to test. 12 months "no fuss" guarantee. We will immediately replace or refund any you return. A 350W travelling wave tube. Data: Centre Frequency 3GHz; Output Power 350W (Pulse); Frequency range 2.7 to 3.3 GHz; Max. Duty Cycle 0.005; Beam Voltage 8.5Kv; Gain 31Db. More data http://frank.pocnet.net	GVT	200.00
CV6223	TWT. UK made in stock. Sold as is.	WB	30.00
CV7077	UK NOS semi-conductor by Ferranti or other UK manufacture. Also known as ZR31.	GBOX	4.00 200 @ 2.00
CV7077	Semi-conductor made in UK/USA. In stock.	OB/WB	POA
CV7083	UK/USA NOS. Good quantities in actual physical stock. Please enquire.	Most OB	POA
CV7109	AEI, UK NOS.		40.00 50 @ 30.00
CV7137	AEI or other UK make. New / NOS. Silicon rectifier valve. Equivalent to SR 4501-A.		3.33 5 @ 3.00 300 @ 2.50
CV7378	AEI, UK NOS		40.00
CV8131	UK/USA NOS. Good quantities in stock. Please enquire.	Most OB	POA
CV8141	UK/USA NOS. Good quantities in stock. Please enquire.	Most OB	POA
CV8322	USA / UK maker. New / NOS. Equivalent 2G220. In stock.		300 @ POA
CV8322 / 2G220	Semi-conductor made in UK/USA. In stock.	OB/WB	POA
CV8671	EEV UK NOS. Equivalent to GXK20 spark gap. EEV catalogue data on request. At this price, it's cheap enough just to use it for display/museum piece. However, they are NOS and guaranteed.	GVT	12.00 500 @ 9.00
CV8686	UK/USA NOS. Good quantities in stock. Please enquire.	Most OB	POA
CV8960	UK/USA NOS. Good quantities in stock. Please enquire.	Most OB	POA
CV9915	Near equivalent to 5899. These are CV9915 Mullard UK NOS Subminiature pentode.	GB	4.00 10 @ 3.54 50 @ 3.20
CV10242	UK/USA NOS. Good quantities in stock. Please enquire.	Most OB	POA
CV10952	T988D USA or UK NOS. With guarantee. 10 in stock.	OB/GB	10 @ POA
CX381	Cunningham USA.	WB	25.00
CX1140	EEV. UK NOS. 1980s/1990s manufacture. New/NOS, tested. Guaranteed 12 months from dispatch.	GB	700.00
CX1140A	EEV UK NOS. 1980s/1990s manufacture. New/NOS, tested. Guaranteed 12 months from dispatch.	GB	650.00
CX1140 Grade One	UK made by EEV. Not new appearance but tested to Grade One standard, clean with guarantee. 1980s or 1990s manufacture.	BOXED	500.00
CX1140 USED	Hydrogen thyratron. UK made by EEV. Used in Varian systems. Pulled from working equipment. Not new appearance but tested, clean and guaranteed.	WB	300.00
CX1154	EEV UK. Sometimes in stock. We can only sell these to certain countries. Data www.e2v.com/products-and-services/rfpowersolutions/thyratrons/datasheets/	OB/WB	POA
CX1157	EEV UK NOS. High power ceramic hydrogen. Will be tested with guarantee. There are restrictions re selling this item to certain countries.	OB/WB	500.00
CX1157 USED	EEV UK. High power ceramic hydrogen. Will be tested with guarantee. There are restrictions re selling this item to certain countries. These might be unused. But someone has written the test results on the ceramic, therefore sold as used, half price.	OB/WB	240.00
CX1191	EEV UK NOS. Tested, with guarantee. Made In the 1990s. New and unused. Price negotiable.	OB	POA
CX1119A	EEV UK NOS. Hydrogen thyratron.	OB/WB	POA

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TYPE	COMMENT	BOX	£ GBP PRICE each
CX1159	EEV UK NOS or Chinese NOS. High power Thyratron.	OB/WB	**POA**
CX1159 USED	EEV UK. Used, tested, guaranteed. Data on request. GBP240 wholesale price for a used item, when available.	WB	**POA**
CX1180	EEV UK NOS. Ceramic hydrogen tube. Restrictions re selling this item to certain countries.	OB/WB	**POA**
CX1559	EEV UK NOS. Deuterium-filled thyratron, with low jitter and low anode delay time drift. Designed for high rate of rise of current and a high ampere second capability, at high pulse repetition rate. A reservoir from a separate heater supply is incorporated.12 month guarantee. This item can only be sold to certain countries. Data available.	OB/WB	**325.00** **4 @ 300.00**
CX1559 USED	EEV UK. Used. Tested. Thyratron. 12 months guarantee. For some data on this item, please refer to CX1559 NOS paragraph, above.	WB	**115.00** **2 @ 110.00**
CY31	Mullard West European manufacture. Hald wave rectifier.	OB/WB	**8.00** **16 @ 6.00**
D3A	Ericsson West Europe & GEC UK. All NOS.	OB	**POA**
D3A	Rare pinched waist (waisted shape) Siemens, West Europe, gold pin. NOS tested, clean guaranteed, uniform.	WB	**POA**
D3A	Siemens, 50 percent emission. Guaranteed. These Siemens D3A are West European made gold pin, clean and guaranteed. They are unused but test around 50/60 percent emission. 50 percent is outside the usual accepted test standards, but these usually work perfectly well in equipment. As NOS, D3A are rare, these guaranteed 50percent items may suit many customers.		**12.00** **50 @ 10.00**
D3A	Siemens, West Europe, gold pin. Unused and look new, but test as used, around 65 percent emission. Clean and guaranteed. All look the same.	OB	**27.00** **20 @ 26.00**
D3A	Refer to **E280F** for near equivalent.		
D3A / Z759	These are Z759 GEC logo or Marconi MWT logo UK NOS. Printed CV5060. Tested/guaranteed. Z759 has similarities to D3A, but not equivalent. Data for Z759 and all other types http://tubedata.itchurch.org/sheetsZ.html	OB/GVT	**12.00** **200 @ 10.00**
D3A USED	Siemens, West Europe gold pin. Used, fairly clean, tested, guaranteed. Used, test around 50-60 percent emission. Decent appearance & print.	WB	**25.00** **44 @ 24.00**
D7-200GH	CRT cathode ray tube. UK & USA NOS. Suits oscilloscopes.	OB/WB	**45.00**
D7–222GH	CRT cathode ray tube. UK & USA NOS. Suits oscilloscopes.	OB/WB	**45.00**
D10-210GH	Brimar UK NOS. If your hobbies include nixes, Dekatrons etc, this might be worth a look. For data http://www.tubedata.info/ if you have difficulty finding data, please contact our office. We are glad to help customer with data enquires. Please allow 2 working days for replies about data.	OB	**20.00** **20 @ 15.00**
D13-27GH	Cathode ray tube (CRT) in stock. UK/ USA made NOS. Competitive pricing.	OB/WB	**POA**
D14-221GH	Cathode ray tube (CRT) in stock. UK/ USA made NOS. Competitive pricing.	OB/WB	**POA**
DA30	GEC UK NOS. Guide price straight sided GBP400 wholesale.	GB	**POA**
DA30 / DO24 USED	These are DO24 Mullard straight sides, test as used. Data www.r-type.org	WB	**1 @ 150.00**
DA41	GEC sticker. UK NOS. A rare item, please enquire. Similar to 811A although not equivalent. Please check to see if in stock. Data can be found at http://tubedata.itchurch.org/sheetsD.html	WB	**50.00** **4 @ 48.00**
DA41 Grade One	Used but test 80 percent emission. Good appearance.	G1	**37.00** **4 @ 34.00**
DA42	GEC sticker. UK NOS.	OB/WB	**32.00** **4 @ 30.00**

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TYPE	COMMENT	BOX	£ GBP PRICE each
			More @ POA
DA42	Please refer to 811A for possible alternative, not equivalent. Data http://tubedata.itchurch.org/sheetsD.html		POA
DA42 Grade One	Used but test 80 percent emission. Good appearance.		26.00 4 @ 23.00
DA90	1A3 CV753 NOS Mullard, 1950s vintage British made military issue. A long lasting good quality NOS B7G diode. Data: Vf=1.4V, If=150ma, Va=115V, Ik=1Ma.		2.40 10 @ 2.00 300 @ 1.50
DA100	MOV UK NOS when available.	OB	POA
DA100	MZ1-100 equivalent. This MZ1-100 Mullard logo is UK made. NOS. Offers considered. 1 only.	WB	1,200.00
DA100	Please refer to MZ1-100 equivalent.		
DA100 USED	When available.	WB	
DAF91 / 1S5	Refer to **1S5.**		
DAF96	West European NOS, 100 pieces the same brand same appearance. Equivalent to 1AH5. Data http://tubedata.itchurch.org/sheetsD.html Data/photo http://www.r-type.org/exhib/aad0027.htm	OB/WB/BP	3.50 100 @ 2.80
DC90	UK/USA NOS. Good quantities in stock. Please enquire.	Most OB	5.00 Bulk @ POA
DCC90	NOS. Audio double triode. Including RT France, Philips, Adzam, Mullard x 5, Telefunken. When available.	OB/WB	POA
DE3	Marconi UK dull emitter. Nickel base, top pip as new condition. Early 1920s made! Tested by Phil Taylor.	OB	30.00
DET12	Please refer to **4304CB** for an exact equivalent. Audio triode.		
DET16	GEC UK, NOS. Large audio triode. Data/photo https://www.tubecollector.org/cv1363.htm	GVT	100.00
DET20	Mullard, or other UK NOS. Audio triode. Stock is under these equivalents: CV1135, CV6, CV63, E1148 & VR135. Data click CV6 link http://frank.pocnet.net/other/ServiceTypes/CVnumbers.html Photo/data http://www.r-type.org/exhib/aai0283.htm	OB/WB	8.50 10 @ POA
DET23	GEC UK. DET23 is equivalent to A3343 & CV354. NOS genuine British made GEC. Genelex. DET23 are a glass disc seal high transconductance coaxial broadband triode. Data www.r-type.org/pdfs/det23/pdf	GVT	8.00 500 @ 5.00
DET24	CV397 NOS UK made GEC. A glass disc seal high transconductance coaxial broadband triode, medium overall gain, high transconductance, 20 watts anode dissipation up to 2Ghz. Data www.tubedata.org	Mostly GVT	16.00 30 @ 12.00
DET25	Big audio triode UK. NOS. Straight shape. Data http://frank.yueksel.org/other/ServiceTypes/CVnumbers.html click on CV1025.	WB	350.00 2 @ 340.00
DF61	Mullard, UK 6611/CV2371/DF61. NOS Clean, guaranteed. Equivalent to CV5961. Wire ended sub-miniature broadband pentode. They were mentioned as “audio types” in Glass Audio magazine in 1999. They operate on 30V DC anode voltage so could operate directly off 48 volt phantom power supply line. A battery would suit the heater (1.25 volts at 20Ma). Data: Vf=1.4V, If=25Ma, Va=67V, Ik=3Ma. More data http://frank.pocnet.net/sheetsD1.html	GVT	2.50 20 @ 3.00 300 @ 1.50
DF62	Made in West Europe or USA NOS. We have good quantities in stock. Please enquire.	Most OB	POA
DF64 / CV2260	**Hivac USA** NOS. The DF64 was designed as an audio amplifier in hearing aids. Two tubes would be connected in series across a 1.5 volt battery. The anode supply would be a 15 volt battery. Photo/data www.r-type.org/exhib/aaa1378.htm	Mostly GVT	4.20 150 @ 3.20

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TYPE	COMMENT	BOX	£ GBP PRICE each
DF71	Please refer to **6611**		
DF91	Mullard UK NOS. Printed CV785 (not printed 1T4 or DF91). Clean & guaranteed.	GB	**3.00** **20 @ 1.70** **200 @ 1.00**
DF92 / 1L4	Various UK/USA. NOS.	OB/WB	**2.20** **100 @ 1.70**
DF96 / 1AJ4 / 1AF4	Philips/Valvo. NOS. Made in West Germany. Ideal for a battery headphone amp as it's very low power consumption/current and high gain. It is also an RF amplifier for battery operated radios. Data http://tubedata.itchurch.org/sheetsD.html Deduct 25p if you accept without WB.	WB	**3.50** **10 @ 2.80** **150 @ 2.30** **5,000 @ 1.80**
DF91/ 1T4	These are CV785 Mullard UK NOS. Equivalent to DF91 and 1T4.	GB	**3.00** **20 @ 1.50** **200 @ 1.00**
DF906	Telefunken logo, NOS with diamond <>. West German. Possible audio pentode, B7G base. Data: Vf =1.4v, If =100Ma, Va=45v, gm=1.7Ma/v. Vade mecum data https://frank.pocnet.net/vademecum2.html	WB	**4.50** **10 @ 4.00** **200 @ 3.00**
DG4-2	Cathode ray tube (CRT) in stock. UK/ USA made NOS Competitive pricing.	OB/WB	**POA**
DG7-5	Mullard, UK and Telefunken, West German. NOS. Partly similar to DG7-32 but not the same. Data http://tubedata.itchurch.org/sheetsD1.html Photo http://www.r-type.org/exhib/aaa1013.htm	GVT	**28.00** **10 @ 22.00**
DG7-6	Cathode ray tube (CRT) in stock. UK/ USA made NOS. Competitive pricing.	OB/WB	**POA**
DG7-31	Valvo and Siemens, West German. NOS. DG7-31 has anode 400v, DG7-32 has anode 500v. Apart from this, DG7-31 is near equivalent DG7-32. Data http://tubedata.itchurch.org/sheetsD1.html Photo http://www.radiomuseum.org/tubes/tube_dg7-31.html	GVT	**Limited quantity so POA**
DG7-32	Mullard logo UK / Holland. NOS. CRT fits the Marantz 10B tuner. Few pieces only.	OB/GVT	**80.00** **5 @ 67.50**
DG7-32 USED	Mullard logo UK / Holland. Used, guaranteed. CRT fits the Marantz 10B tuner. Few pieces only.	OB/GVT	**40.00**
DG7-36	Made in West Europe or USA NOS. We have good quantities in stock. Please enquire.	Most OB	**POA**
DHT	**Directly heated triodes.** Here is a list of commonly used for audio direct heated triodes: 10, 10 / VT-25 /12A, 1G4, 1H4G, 26, 31, 2A3 / 6B4G, 300B, 45, 50, 71A, 99, 210, 211, 800, 801A, 805, 808, 809, 810, 811, 812, 813, 833, 842, 845, VT52. Also 813 is a tetrode but can be triode connected to form an audio triode. Direct Heated Triode – best sounding brands: 1st tier: Telefunken and Western Electric are the best brands. 2nd tier: RCA / Radiotron / Cunningham, Tung-Sol, Mullard, GEC, Amperex Holland / Amperex Bugle Boy, Hytron Western Electric), Philips Miniwatt. 3rd tier: Valvo, Siemens, Hytron (1960's), Sylvania, GE, Philco, National Union. If budget permits, aim for Telefunken or Western Electric. If not, the 2nd tier ones should be fine too.		**POA**
DH3-91 / 1CP1	Mullard, UK NOS. 1 inch cathode ray tube equivalent to CV2302. A few only. Great data/photos http://www.r-type.org/exhib/abp0001.htm	OB	**40.00**
DH7-91	West European NOS. Directly heated triode.	GVT/WB	**25.00**
Display Items	Please refer to the display item section around page 175, after the entry "ZZ1040".		

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TYPE	COMMENT	BOX	£ GBP PRICE each
DK40	UK/USA NOS. Good quantities in stock. Please enquire.	Most OB	POA
DK91 / 1R5	USA NOS. Please refer to 1R5 on page 7 for current price.	OB/GVT	
DK91	Please see 1R5 equivalent.		
DK92	NOS, Telefunken, West German, arriving soon. Please ask for prices.	OB/WB	**500 @ POA**
DK96	NOS, West European.	OB/WB	**9.00**
DL73 / CV2299	These Mullard DL73 UK NOS, have 6 Volt heaters, printed CV2299. DL73 is similar to 5840, except 5840 has a 1.25 volt heater. Data http://electronbin.com/sheetsD1.html These are dry battery output pentodes. DL71, DL70 and DL72 are hearing aid output valves, but delivers a significantly greater output. The anode resistance of DL73 is 16,000 Ohms which is only 10 percent of the other similar valves. DL73 might be suitable as a pentode in a pre amplifier? Data/photo http://www.r-type.org/exhib/aaa1060.htm Great microphone pentodes. A sub miniature pentode, wire ended. CV4501 data http://www.tubecollector.org/cv4501.htm 5840 data http://tubedata.itchurch.org/sheets51.html	GB	**2.50** **150 @ 2.00**
DL70	Mullard UK NOS, printed CV2105. For data http://www.tubedata.info/ if you have difficulty finding data, please contact our office. We are glad to help customer with data enquires. Please allow 2 working days for replies about data.	GB	**2.50** **150 @ 2.00**
DLS19	STC UK, vacuum thermal delay switch. For data http://www.tubedata.info/ if you have difficulty finding data, please contact our office. We are glad to help customer with data enquires. Please allow 2 working days for replies about data.	OB/WB	**11.50** **50 @ 9.00**
DM70	Brimar. Currently two in stock	OB/WB	**7.00**
DM71	Magic eye West European made NOS.	OB/WB	**POA**
DM160	DM160 Mullard / Philips, Holland made NOS. Popular DM160 / 6977 miniature tuning indicator tube. It has no variable length display, only the brightness can be changed. These tubes will illuminate nicely at 9VDC, filament voltage is 1.2 volts envelope height v approximately 20mm, a very tiny device. Useful for digital clock or decoration lights. Data http://scottbecker.net/tube/sheetsD1.html	OB	**3.20** **10 @ 3.00** **200 @ 2.50**
DN7	Currently we have one in stock	OB/WB	**50.00**
DO24	Mullard, UK. 2 identical pieces, clean, tested and guaranteed. Offers considered.	GVT	**250.00**
DQ2A	Mullard UK or USA. NOS. Tested/guaranteed. Audio rectifier.	OB/WB	POA
DR10-5	Cathode ray tube (CRT) in stock. UK/ USA made NOS. Competitive pricing.	OB/WB	POA
DW4-350	Brimar, MOV and STC, UK made NOS. Similar to MU14, U14, etc.	OB/WB	**25.00**
DW4-350	Mullard, logo, UK NOS.	OB	**15.00**
DW4-350 Grade One	Brimar, MOV and STC, UK made NOS. Similar to MU14, U14, etc. Tests as Grade One.	G1	**15.50**
DW4-500	Brimar, MOV and STC, UK made NOS. Similar to MU14, U14, etc.	OB/WB	**25.00**
DW4-500	Mullard, logo. NU, NOS	OB	**15.50**
DW4-500 Grade One	Brimar, MOV and STC, UK made NOS. Similar to MU14, U14, etc. Tests as Grade One	G1	**15.50**
DY51	Mullard UK or Holland NOS. Wire ended rectifier. May have audio applications. Data: Vf=1,4V, If=550Ma, Va=14000V Photo/data http://www.r-type.org/exhib/aaa1233.htm Data http://tubedata.itchurch.org/sheetsD2.html	OB/GVT	**2.30** **1,800 @ 1.80**
DY87	Tungsram logo NOS. Possible audio type. Data http://tubedata.itchurch.org/sheetsD2.html	OB	**3.00** **100 @ 2.00** **1,400 @ 1.75**

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TYPE	COMMENT	BOX	£ GBP PRICE each
DY802	Mullard, logo NOS. Possible audio type. Data http://tubedata.itchurch.org/sheetsD2.html	OB/GVT	**3.00** **100 @ 2.00** **2,500 @ 1.75**
E2C	Siemens logo German NOS guaranteed. Audio tetrode. Price includes free socket 7E2D. Data http://tubedata.itchurch.org/sheetsE.html	OB	**42.00** **2 @ 40.00** **10 @ 35.00**
E2C **USED**	Siemens logo German. Used, decent appearance, tested, guaranteed. Audio tetrode. Price includes free socket 7E2D. Data http://tubedata.itchurch.org/sheetsE.html	BB	**21.00** **6 @ 20.00**
E2D / E2E	These are E2E. 8 x Siemens NOS, 6 x Valvo logo NOS. West European. Yellow Siemens band on the base. Tested guaranteed. E2E audio tetrode has similarities to E2D but a different socket. If you buy this tube we supply sockets as a gift (9E2E). E2E data http://www.tubedata.info/ if you have difficulty finding data, please contact our office. We are glad to help customer with data enquires. Please allow 2 working days for replies about data.	OB/GVT	**20.00** **2 @ 17.00** **14 @ 16.00**
E2D **Grade One**	Grade One, East Germany. Some have RWN logo. Clean, tested and guaranteed. Sockets to fit these are in stock (7E2D). Price includes free socket.	G1	**21.00**
E2D	Use **E2E** for possible alternative, not equivalent with similar electronics/different socket.		
E2D	Refer to E2E. E2E audio tetrode has **similarities** to an E2D but has a different socket. Sockets to fit are in stock (9E2E).	OB	
E2E	Siemens, West German with logo. NOS with yellow Siemens band on the base. Tested and guaranteed. This is similar to an E2d tetrode but has a different socket. Sockets to fit are in stock (9E2E). Data: Vf=18V, If=360Ma, Va=275V, Ik=75Ma, S=10Ma/V, Pa=10W.	OB/GVT	**44.00** **4 @ 42.00** **12 @ 40.00**
E55L	Data paragraph. Some similarity to EL34. Data Vf=6.3V, If=600Ma, Va=200V, Ik=75Ma, S=45Ma/V. For data http://www.tubedata.info/ if you have difficulty finding data, please contact our office. We are glad to help customer with data enquires. Please allow 2 working days for replies about data. These high slope audio pentodes can be triode connected to give gm of more than 30ma/v . E55L has many similarities to 3A-167M, 5A-180M, 436A, 437A, EC8020, though not equivalent.		
E55L	Mullard logo, NOS gold pin. UK NOS. Tested, guaranteed. Audio pentode with high gm / slope (45 ma/V). Data http://www.r-type.org/exhib/aaa0271.htm These high slope audio pentodes can be triode connected to give gm of more than 30ma/v . E55L has many similarities to 3A-167M, 5A-180M, 436A, 437A, EC8020, though not equivalent.	OB/WB	**115.00** **4 @ 105.00** **10 @ 95.00** **30 @ 85.00**
E55L/ A2674	These are A2674, they have similarities to E55L. E55L (45 ma/V) and A2674 (30ma./V) have many similarities. They are both audio tubes of a similar power. Data http://www.r-type.org/exhib/aaa0271.htm more data below. Both have the same base (B9D). GEC/Marconi with logo/sticker, UK, NOS, audio tube. These are A2674/ 436A. Triple mica OR gold pin OR D getter. Data www.r-type.org/exhib/aam0019.htm	OB	**68.00** **8 @ 58.00**
E55L	USA grey pin. NOS 8233. Tested guaranteed. Price varies, if available. These high slope audio pentodes can be triode connected to give gm of more than 30ma/v . E55L has many similarities to 3A-167M, 5A-180M, 436A, 437A, EC8020, though not equivalent.	OB/WB	**POA**
E55L **Low Test**	**E55L Low Test**. Mullard, logo, gold pin. UK. Test around 50 percent emission. Usual pass mark for used working item is 65 percent. These test below usual test values, and this is reflected in the low price. Guaranteed. These high slope audio pentodes can be triode connected to give	WB	**50.00** **16 @ 47.50**

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TYPE	COMMENT	BOX	£ GBP PRICE each
	gm of more than 30ma/v . E55L has many similarities to 3A-167M, 5A-180M, 436A, 437A, EC8020, though not equivalent.		
E55L **Grade One**	Mullard logo, Grade 1, **gold pin**. UK. Very clean and 80 percent emission. Audio pentode with high gm / slope (45 ma/V). Data http://www.r-type.org/exhib/aaa0271.htm These high slope audio pentodes can be triode connected to give gm of more than 30ma/v . E55L has many similarities to 3A-167M, 5A-180M, 436A, 437A, EC8020, though not equivalent.	OB/WB	**90.00** **4 @ 85.00** **20 @ 75.00**
E55L USED	USA gold pin. Test near new, look used. Guaranteed. 8 pieces.	WB	**8 @ POA**
E55L USED	Mullard logo, gold pin. USA made. Tested around 65-75 percent emission. Data in E55L NOS paragraph above. These high slope audio pentodes can be triode connected to give gm of more than 30ma/v . E55L has many similarities to 3A-167M, 5A-180M, 436A, 437A, EC8020, though not equivalent.	WB	**100.00** **6 @ 92.00**
E55L USED	Mullard logo, gold pin. UK tested around 65-75 percent emission. Data in E55L NOS paragraph above. These high slope audio pentodes can be triode connected to give gm of more than 30ma/v . E55L has many similarities to 3A-167M, 5A-180M, 436A, 437A, EC8020, though not equivalent.	WB	**105.00** **26 @ 95.00**
E55L USED	Mullard logo, grey pin. USA made. Tested around 65-75 percent emission. Data in E55L NOS paragraph above. These high slope audio pentodes can be triode connected to give gm of more than 30ma/v . E55L has many similarities to 3A-167M, 5A-180M, 436A, 437A, EC8020, though not equivalent.	WB	**85.00** **8 @ 72.00**
E80CC	Mullard, logo, Holland. NOS. Gold pin. Super quality audio double triode. Data http://tubedata.itchurch.org/sheetsE.html	OB	**60.00**
E80CC	Mullard logo, Holland. Tests as Grade 1. Gold pin. These are the rare pinched waist version. The glass moulds around the top mica, which gives extra support to the anodes and virtually eliminates microphony.	G1	**45.00**
E80CC	Tall grey pin version. Made in Hungary by Tungsram.	OB/WB	**40.00**
E80CC USED	Mullard, logo, Holland. Gold pin. Tested as used. Data/other information in E80CC NOS Mullard, section above.	WB	**22.00**
E80CC **Grade One**	Mullard logo, gold pin. Made in Holland. Test as Grade One, minimum 80 percent emission. Guaranteed. **We have 4 x NOS and 4 x Grade** 1. NOS prices are in the above paragraph.	G1 box	**45.00** **4 @ 30.00**
E80CC / 12AZ7A	Sylvania and Westinghouse, USA NOS. These 12AZ7 have similarities to E80CC. Data on both types available.	Mostly OB	**4.50** **30 @ 4.00**
E80CC / 6211	USA NOS. Grey pin. Note these are 6211.	OB/WB	**6.00**
E80CF	Mullard, UK/Holland NOS. B9A audio triode pentode. Gold pin. Seen in some valve audio equipment. Data http://tubedata.itchurch.org / photo www.tubecollector.org	Most OB	**13.00** **10 @ 9.50**
E80CF	Mullard, UK/Holland NOS. Waisted glass, very rare. Gold pin.	WB	**16.00** **10 @ 15.00**
E80CF / 7643	USA NOS with logo, gold pin. Tested and guaranteed. Some more info on above E80CF paragraph.	OB	**8.00**
E80F	Mullard logo. Made in Holland. NOS. Gold pin. E80F usually works as plug in replacement for EF86. However E80F is slightly taller in size.	OB/GVT	**20.00**
E80F	Philips logo. Made in Holland. NOS. Gold pin. E80F usually works as plug in replacement for EF86. However E80F is slightly taller in size.	OB/GVT	**22.00** **8 @ 16.00**
E80L	Mullard logo UK/Holland. NOS. Gold pin. Tested guaranteed. Suits recording studio and other audio equipment. Some similarities to EL84. Data on request.	Most OB	**16.00** **30 @ 10.00**
E80L	Philips Holland NOS. A few D getter, a few waisted glass.	OB/WB	**30.00**

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TYPE	COMMENT	BOX	£ GBP PRICE each
E80L	Valvo or Mullard. Very rare version. 4 x D getter, 4x waisted glass version. UK or Holland made NOS.	OB/WB	**25.00** **8 @ POA**
E80L USED	Mullard logo UK/Holland. Gold pin. Test almost new, look used but look decent. Slightly similar to EL84. Data on request.	WB	**6.50** **10 @ 5.00**
E81CC	Equivalent to **CV4024** and **ECC81.**		
E81L	Mullard / Philips. Made in UK or Holland. NOS audio tube with logo. 1970s vintage genuine long life pentode amplifier tubes. This has a 10,000 hour life rating. **Suitable as a driver for C3M tube, eg in a 300b audio amp!** Data/photo http://tubedata.itchurch.org/sheetsE.html	Mostly OB	**5.00** **20 @ 4.20** **300 @ 3.50**
E81L	Philips logo NOS. **Gold** pin. Made in UK or Holland. Audio tube 1970s vintage, genuine long life pentode amplifier tube. This has a 10,000 hour life rating. **Suitable as a driver for C3M tube, eg in a 300b audio amp!** Data/photo http://tubedata.itchurch.org/sheetsE.html	OB	**5.00** **20 @4.20** **300 @ 3.50**
E81L	Some made in East Germany (RFT or similar), some made by Tungsram Hungary. NOS Audio tube. Most have logo. 1970s vintage genuine long life pentode amplifier tubes. E81L is a communications pentode with a 10,000 hour life rating. **Suitable as a driver for C3M tube, eg in a 300b audio amp!** Data/photo http://tubedata.itchurch.org/sheetsE.html	Mostly OB	**4.00** **50 @ 3.20** **80 @ 2.50**
E82CC	Please refer to **ECC82**. Equivalent to **CV4003.**		
E82CC-01 / ECC82	BILLINGTON GOLD, Chinese manufacture, grey pin. With guarantee. Please refer to page 6 for full details.	OB	**5.80** **20 @ 4.50**
E82CC-01	Please refer to **ECC82.**		
E83CC	Chinese. Gold pin, tested.	WB	**16.00**
E83CC	Use ECC803S, ECC83, 12AX7 or 5751.		
E83CC-01	Please refer to ECC83 or ECC803S.		
E83F	Phillips SQ logo. Audio tube. West European made. NOS. Gold pin, mesh anode. Super quality, guaranteed. Some similarities to EF86. Data http://tubedata.itchurch.org/sheetsE.html	OB	**5.00** **6 @ 3.30** **100 @ 3.00** **400 @ 2.75**
E83F	Tungsram, Hungary. NOS. Audio pentode. Grey pin. Data http://tubedata.itchurch.org/sheetsE.html	OB/WB	**3.45** **5 @ 3.00** **200 @ 2.50**
E83F	Mullard, logo. West European made. NOS. Gold pin, mesh anode. Super quality, guaranteed. Some similarities to EF86. Data http://tubedata.itchurch.org/sheetsE.html	OB	**6.00** **60 @ 5.00**
E84L	Please see EL84 / E84L.		
E86CC	Siemens West Germany, gold pin. NOS. Tested and guaranteed. Sets of 10 the same appearance.	OB	**6.50** **20 @ 5.50**
E88C	Mixed brands East/West European manufacture, sometimes Mullard, available.	OB/WB	**8.50**
E88C / 8255	Telefunken logo. NOS West European made. **All tested**. Very clean, NOS, but no <> between the gold pins. These are E88C single triode. We can direct you to suppliers who provide adapters to convert E88C to 6SN7, B65, ECC32, ECC82 etc. Photo www.r-type.org/exhib/aaa0220.htm Data http://tubedata.itchurch.org/sheetsE.html	OB	**10.00** **10 @ 6.60** **50 @ 6.25** **1,000 @ POA**
E88CC	These are **E188CC** RTC logo NOS. Made in Mitcham, UK by **Mullard**. NOS, gold pin, tested, guaranteed. Parasol getter. 7 digit code is VR1, R2H1.	OB	**60.00**
E88CC	Amperex USA NOS. Gold [pin]. Tested with logo and guarantee.	GVT	**80.00** **8 @ 70.00**
E88CC	BILLINGTON GOLD, tested, guaranteed. Please refer to page 6 for full details.	OB	**16.00**
E88CC	Brimar logo UK. NOS.	Mostly OB	**33.00**

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TYPE	COMMENT	BOX	£ GBP PRICE each
E88CC	Brimar logo Russian. NOS. Gold pin. Tested and guaranteed. "Flying saucer" getter.	MOST OB	**12.00** **16 @ 11.00** **32 @ 10.00**
E88CC	Mullard logo NOS. Made in UK/Holland with gold pin.	Military box	54.**00** **10 @ 52.00** **30 @ 48.00**
E88CC	Mullard, new economy grade. Mullard logo UK. Gold pin. Unused, look new, very clean but anode current tests 70- 75 percent approx. Gold pin. Sets of 10 pieces of the same appearance.	GVT	
E88CC	Very rare, waisted glass version. Mullard logo. NOS.		**2 @ 220.00 each**
E88CC	Russian. NOS. Gold pin. Tested and guaranteed. 4 pieces the same appearance, "flying saucer" getter.	WB	**16.00** **4 @ 12.00** **20 @ 11.00**
E88CC	Siemens Halske Germany, most are "grey shield". Gold pin. Tested and guaranteed. 4 pieces the same appearance. They test like NOS and look to be unused tubes, no stains inside the glass. Made est 1963 - 1973. O getter ring. The print is 75 percent missing, therefore reduced from GBP95 down to GBP55.	OB/WB	**55.00** **6 @ 48.00**
E88CC	Telefunken logo but no <>. Made in Germany by Siemens. Grey shield construction. Gold pin. Tested and guaranteed. 4 pieces the same appearance. NOS and tested 1960s made glass. O getter ring.	OB/WB	**60.00** **4 @ 54.00**
E88CC	Telefunken logo. West German with <>. NOS. Gold pin. 3 pieces look the same appearance.	WB	**125.00**
E88CC	JJ logo by Tesla, Slovakia. Gold pin. Tested & guaranteed. These are unused and look new. They came direct from the JJ factory. As is often the case with JJ tubes, they work fine but test below perfect new spec. They test around 70 percent of the "perfect new " figures. Tested, working guaranteed clean and uniform.	WB	**18.50** **10 @ 17.50**
E88CC	JJ logo by Tesla, Slovakia. NOS. Gold pin. Tested & guaranteed.	OB	**37.50**
E88CC	JJ logo by Tesla, Slovakia. NOS. Grey pin. Tested & guaranteed.	OB	**21.00**
E88CC	Tesla logo made in the1980s. Gold pin. Wholesale price approx. GBP26 when available.	OB/WB	**POA**
E88CC	Tesla late 1970s, early 1980s. Gold pin.	OB//WB	**30.00**
E88CC	Tungsram Hungary NOS. Grey pin. 1 or 2 only.	WB	**30.00**
E88CC USED	Brimar logo UK. Gold pin. Used, tested 65-75 percent emission.	WB	**15.00**
E88CC USED	Mullard, Western Europe. Used. 40 to 60 percent emission. This is lower than normal emissions.	WB	**10.00**
E88CC USED	Mullard logo, used, test about 65 percent emission. Not new appearance but decent appearance. Made in UK with gold pins. Sets of 4 pieces the same appearance. Please enquire for actual quantity.	WB	**30.00** **4 @ 27.00**
E88CC USED	Mullard logo / Holland. Gold pin. Used not new appearance, but decent appearance, tested 65 percent emission. Guaranteed. Mixed appearance but 2 pieces of the same appearance may be found.	WB	**27.00** **4 @ 25.00**
E88CC USED	Siemens. Gold pin. Used, test 65 percent emission. No bulk offers.	WB	**POA**
E88CC USED	Tungsram Hungary. Used tested. 2 only.	WB	**15.00**
E88CC	Please refer to **E90CC** for a possible alternative, not equivalent with B7G base and different gm.		
E88CC	Please refer to **ECC88** very near equivalent.		
E88CC-01	Mullard, UK/Holland. Gold pin. NOS. Guide price GBP55.00.	Mostly OB / GVT	**POA**
E88CC / CCA	Siemens Halske CCA gold pin. Grey shield. Low noise 10,000 hr tube, NOS. Long-life special selected version. Made in Munich.	OB	**120.00**

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TYPE	COMMENT	BOX	£ GBP PRICE each
	Approx 1960 made. Tested/guaranteed. Just 1 or 2 pieces.		
E88CC / ECC812	Philips logo Holland NOS. Recommended for audio. Great for hi-fi amps. Good substitute for 6922/E88CC/6922.	OB	**52.00** **3 @ 48.00**
E90CC	Mullard logo. UK / Holland. NOS. Audio double triode. Data: http://tubedata.itchurch.org/sheets/009/e/E90CC.pdf Photo/data: http://www.r-type.org/exhib/aai0039.htm	Most OB	**6.00** **16 @ 5.00** **300 @ 4.00**
E90CC	Pinched waist, D getter. Mullard logo Holland. NOS. Audio double triode E90CC is PARTLY similar to ECC81. In most cases E90CC plugs in to replace 6J6. E90CC gives better sound than 6J6. Data http://tubedata.itchurch.org/sheets/009/e/E90CC.pdf	WB	**POA**
E90CC	Philips, logo. UK/ Holland. NOS. Audio double triode E90CC is partly similar to ECC81. Data: ECC81 B9A base. Vf= 6.3v, If= 300Ma, Va=300 V, Ik= 20Ma, S= 2.2 Ma/V, Pa 2 x 2.5W. Data: E90CC B7G base. Vf=6.3 V, If=400 Ma, Va= 100 V, Ik= 15Ma, S= 6Ma/V, Pa= 2W. Data http://tubedata.itchurch.org/sheets/009/e/E90CC.pdf Photo/data http://www.r-type.org/exhib/aai0039.htm Deduct 25p. If you accept the bulk pack (BP, egg crate version).	OB/ BP	**6.00** **16 @ 5.00** **300 @ 4.00**
E90F / 6BH6	These are E90F Mullard logo. NOS. Audio pentode. Mesh anode, made by Heerlen factory, Holland. Equivalent 6BH6. Mesh anode, suits **Marantz** 8B. Photo/data www.radiomuseum.org/tubes/tube_e90f.html	OB/WB	**6.00** **200 @ 4.80**
E91H	Valvo or Philips logo. West Europe made NOS. Data www.tubedata.org	OB	**5.00** **80 @ 3.20**
E92CC	16 Telefunken logo, West German <> and 20 Mullard, Holland. NOS.	Mostly OB	**10.00** **10 @ 8.00** **36 @ 5.00**
E99F	RT Logo made in France. Sold out, please enquire.	GB	**POA**
E130L	West European made. 6 AEG logo (AEG were part of Telefunken) and 6 Telefunken logo. NOS, tested, guaranteed.	OB	**30.00** **6 @ 28.00** **12 @ 26.00**
E130L	West European made. 8 Siemens, a few Mullard, a few Telefunken. NOS, guaranteed.	GB/WB	**30.00** **8 @ 27.00**
E130L	Tungsram. NOS. Made in Hungary. Data http://tubedata.itchurch.org/sheetsE.html	OB/WB	**24.00** **6 @ 22.00**
E132	Equivalent to VT37B, CV1643. Partly similar to 101D LS5 LS6 VT25, PX25. UV4 base. If available.	WB	**POA**
E180CC	Mullard logo Holland NOS guaranteed. Our engineer built an amplifier using E180CC, it had great audio sound! Circuit diagram for E180CC amplifier free on request.	WB	**15.00**
E180CC	Pinched waist, D getter. Mullard/Philips NOS. Audio double triode.	WB	**50.00**
E180CC USED	Mullard, USA/Holland with Mullard logo. Used and tested.	WB	**6.00** **10 @ 5.00**
E180F	Chinese made NOS with Chinese logo. Grey shiny pin. Tested uniform and guaranteed. This is an audio type. Data www.tubedata.org	Chinese WB	**2.50**
E180F	Mullard logo UK. NOS. Equivalent CV3998. All Gold pin tested uniform and guaranteed. This is an audio type. Data http://tubedata.itchurch.org/sheetsE.html	GBox	**5.00** **10 @ 4.50** **100 @ 4.25**
E180F	Mullard UK. Box printed 'CV3998 KQDD/K'. Gold pin, no logo. Clean and guaranteed. This is an audio type. Data http://tubedata.itchurch.org/sheetsE.html	GBox	**4.00** **10 @ 3.50** **100 @ 3.25** **300 @ 3.00**
E180F Grade One	Mullard, logo UK. Gold pin. Test as Grade One. Data http://tubedata.itchurch.org/sheetsE.html	G1	**3.50** **28 @ 2.50**
E180F USED	Mullard logo, UK. Gold pin. Test as used.	OB/WB	**2.50**

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TYPE	COMMENT	BOX	£ GBP PRICE each
			36 @ 2.00
E182CC	Mullard logo, box anode. NOS, USA made.	OB	42.00 32 @ 38.00
E182CC Grade One	Amperex Bugle Boy logo Holland. Test as Grade One. Also, Amperex USA. In sets of 2 pieces the same.	G1	26.00
E182CC Grade One	Mullard **rare pinch waist version.** D getter. Mullard logo Holland. Test as Grade One.	G1	POA
E182CC / 7119	Mullard UK or Amperex, USA. NOS. Few pieces usually available.	OB/WB	35.00
E182CC / 7119 USED	Amperex Bugle Boy logo Holland. Tested with some stains in the glass. Also Amperex USA.	WB	17.00
E186F	**RT logo.** NOS, gold pin. West European made audio pentode similar to E180F. RT France worked closely with Mullard UK. E180f data: Vf=6,3V, If=300Ma, Va=190V, Ik=25ma, S=16Ma/V E186f data: Vf=6,3V, If=320Ma, Va=190V, Ik=25ma For data http://www.tubedata.info/ if you have difficulty finding data, please contact our office. We are glad to help customer with data enquires. Please allow 2 working days for replies about data.	OB	7.00 8 @ 6.00 200 @ 4.00 600 @ 3.00
E188CC	Mullard logo, Holland NOS. CV4108 with gold pin. Tested guaranteed. Sets of 4 pieces the same appearance. Matched pairs should be possible.	OB	80.00
E188CC	Siemens logo, gold pin. West German. No ◊ mark.	OB	55.00
E188CC	Sylvania logo, USA. NOS, when available, wholesale price is GBP60. 7308 acid etch.	OB/WB	POA
E188CC	Telefunken logo, NOS. West German <>. Gold pin. Offers considered.	OB	300.00
E188CC	Equivalent to **6922** or **E88CC.** E188CC is very similar to E88CC but very slightly higher current.		
E188CC USED	Mullard logo, Holland NOS. CV4108 with gold pin. USED, tested & guaranteed.	WB	37.00 8 @ POA
E188CC USED	Siemens logo, gold pin. West German. no ◊ mark USED, tested & guaranteed.	WB	25.00 4 @ POA
E188CC Grade One	Mullard logo UK/Holland gold pin. Test as Grade One. Small stain in glass. 20 parasol getter, 20 ring getter. Not new, but decent appearance, with good print, tested guaranteed, clean gold pins.	G1	55.00
E188CC Grade One	Telefunken logo, Grade 1. West German <>. Gold pin.	G1	90.00
E188CC USED	Mullard UK/Holland with gold pin. Used tested.	WB	35.00
E236L	Mullard, logo, UK NOS. Octal pentode with similarities to Mullard EL34. Data http://tubedata.itchurch.org/sheetsE.html	OB	12.50 8 @ 11.00
E280F	Mullard & Valvo NOS. West European made. Gold pin.	OB	39.00
E280F Grade One	Mullard logo UK/ Holland. Gold pin. Tested as Grade One. Small stain in glass but decent appearance.	G1	27.50
E280F	Siemens, West European. NOS. Pinch waist. Gold pin.	WB	45.00
E280F USED	Some Siemens, some Mullard. Very rare pinch waist version. Used, test at only 50 percent emission, hence low price. Guaranteed. Decent appearance, good print. Gold pin. West European made.	WB	20.00 16 @ 16.00 60 @ 14.00
E280F USED	With logo. Gold pin. Used, tested and guaranteed. Direct replacement of D3A, or in triode, connection is similar to Western Electric 417A. Data http://tubedata.itchurch.org/sheetse.html	WB	20.00
E282F	Philips NOS. Gold pin. West European made. When available.	OB/WB	POA
E283CC	Philips, Siemens etc, West European NOS.	OB/WB	50.00
E288CC	Philips, Siemens and other West European NOS. Gold pins. Wholesale price approx between GBP100 and GBP130 if available.	OB	POA
E406N Grade One	Philips or other West European made. 2 pieces look the same. Test almost new but small stains. Guaranteed. Shouldered shape.	G1	125.00 2 @ 120.00

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TYPE	COMMENT	BOX	£ GBP PRICE each
	E406 is almost identical to E406N and PX4. Data for E406 http://tubedata.itchurch.org/sheetsE.html		
E810F	Good looking B9A base Audio hi slope pentode. Data http://tubedata.itchurch.org/sheetsE.html		
E810F	Mullard Holland NOS. Gold pin.	OB/WB	**45.00**
E810F	Mullard USA NOS. Grey pin.	OB/WB	**24.00**
E810F	Mullard Holland. NOS. Grey pin.	OB/WB	**27.50**
E810F	Mullard USA. NOS. Gold pin.	OB/WB	**30.00**
E810F **Grade One**	Mullard. USA grey pin. Test as Grade One.	G1	**18.00**
E810F USED	Mullard USA made. Grey pin. Used, tested. Guaranteed. Many look almost new.	WB	**14.00**
E810F USED	Mullard Holland. Tested working. Emission is over 65 percent. Gold pin. Used, tested.	WB	**20.00**
E810F USED	Mullard USA. Tested working. Emission is over 65 percent. Gold pin. Used, tested.	WB	**18.00**
EA50	EA50 = VR92 = 10E/105 = 6D1 = 4623 = CV1092 = 2B35 CV1092 Mullard, UK/Holland. NOS. Photo/data http://www.r-type.org/exhib/aad0103.htm Data: Vf=6,3V, If=150Ma, Va=200V, Ik=5Ma.	GVT	**3.00** **20 @ 1.60** **50 @ 1.50** **300 @ 1.20**
EA52 / 6923	Mullard, West European. Disc seal diode for UHF voltmeters and monitoring devices. Data www.rtype.org/exhib/aad0099.htm.	OB	**20.00** **20 @ 16.00**
EA76	Mullard, UK CV4504. Equivalent to CV469, 6489 & 2S-141G. Wire ended, NOS, clean and guaranteed. Similar to half of an EB91 diode. They handle approximately 10Ma DC so can be used in pre- amp and tube pedal power supplies. Data www.tubecollector.org/cv4504.htm	GVT	**3.00** **20 @ 1.60** **50 @ 1.50** **1,000 @ 1.20**
EAA91	**CV4025** is superior quality equivalent.		
EABC80	West European NOS incl Valvo, Telefunken, Lorenz & Mullard. Few only. NOS.	OB/WB	**15.00**
EABC80	RCA logo USA NOS (equivalent 6T8) NOS & guaranteed. Deduct 25p if you accept bulk pack/ egg crate instead of white box.	WB	**10.00** **10 @ 8.00** **100 @ 7.00** **300 @ 6.00**
EABC80	USA made, NOS. GE, RCA or Sylvania. These are EABC80 (equivalent 6T8) NOS & guaranteed.	OB/WB	**8.25** **50 @ 7.00** **100 @ 6.00** **300 @ 5.00**
EABC80 USED	West European. Used, tested, incl Valvo, Telefunken, Lorenz & Mullard.	WB	**4.50** **20 @ 3.50**
EAC91	or CV4059 Mullard. Most have logo. UK NOS. Audio diode/triode. Data on request. Military/government box.	GB	**4.10** **40 @ 2.75** **400 @ 2.50**
EAF42	Mullard logo. UK NOS. Audio tube. Data on request.	Most OB	**6.00** **5 @ 3.33** **60 @ 3.00**
EAF801	European made. NOS.	OB/WB	**7.00**
EAM86	West European made NOS. Magic eye for audio.	OB/WB	**POA**
EB34	Mullard, Rogers, Marconi UK USA or Canadian manufacture. NOS clean, identical and guaranteed.	Most GVT box	**4.75** **6 @ 4.00** **200 @ 3.20**
EB41	Mullard, Philips, Siemens, NOS. West European made.	OB	**4.00** **12 @ 3.50**
EB91	Mazda UK. NOS and uniform appearance.	OB	**4.00** **20 @ 3.40** **50 @ 2.80**
EB91	Mullard UK, printed EB91. NOS and uniform appearance.	OB	**4.00**

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TYPE	COMMENT	BOX	£ GBP PRICE each
	Blue Mullard box.		**20 @ 3.40** **100 @ 2.80**
EB91	Siemens logo West European made NOS. Equivalent to 6AL5. Data http://tubedata.itchurch.org/sheetsE.html	OB	**2.50** **10 @ 2.20** **200 @ 1.70**
EB91 / 6AL5	Philips Holland NOS.	OB	**2.50** **10 @ 2.20** **100 @ 1.70**
EB91 / 12Y4	These are 12Y4, 1940s Canadian made, Marconi logo. A dual diode similar to 6AL5, but 12Y4 has 12 volt heater and B5 base. For data http://www.tubedata.info/ if you have difficulty finding data, please contact our office. We are glad to help customer with data enquires. Please allow 2 working days for replies about data.	Lovely red OB	**2.40** **400 @ 1.60**
EB91 / 5726	These are 5726 Sylvania logo USA NOS.	Most OB	**4.50** **20 @ 3.50** **200 @ 2.50**
EB91 / CV4007	Printed CV4007. CV4007 is equivalent to EB91. 40 Brimar UK, or 80 Mullard UK, or 80 Sylvania USA.	Most OB	**4.20** **20 @ 3.80** **40 @ 3.70** **200 @ 3.50**
EB91 / CV4025	Mullard UK, printed CV4025. EB91 is a double diode that suits audio rectifier circuits. NOS and uniform appearance.	GB/WB	**4.20** **20 @ 3.80** **100 @ 3.50**
EB91 / E91AA	These are E91AA equivalent to EB91. Chose Philips or Philips Miniwatt 20 of each. UK / Holland made. NOS.	GB/WB	**6.00** **20 @ 5.50** **40 @ 5.00**
EB91 / 6AL5 USED	EB91 is a double diode that suits audio rectifier circuits. **Used, not tested or guaranteed. Most will work just fine.** **Mixed appearance, bulk pack (egg tray) NOT white box.** **We always pack well for shipping. Most** are Mullard UK, printed CV4025, CV140 or CV4007. A few USA made 5726 maybe mixed in. The guarantee is "all or none". If they don't suit your purpose, then return **all** of them for a refund (you pay return post). Not NOS, not sorted in groups, some have good print but for some print is partly or totally missing. Amazing low price.	BP	**50 @ 1.20** **250 @ 1.00** **500 @ 0.80**
EB111	Telefunken Germany. Telefunken logo, no diamond mark.	WB	**POA**
EBC3	Mullard or Valvo, West Europe. NOS. Audio triode + double diode. Similar to half of an ECC32/6SN7GT Data https://frank.pocnet.net/sheetsE.html	GB	**8.00** **20 @ 7.00**
EBC33	Mullard, UK. Octal based double triode/diode. ST, NOS.	GVT	**5.00**
EBC33	UK NOS. Printed with military equivalent numbers CV1055 or AR21. Audio triode + double diode. Similar to half of an ECC32/6SN7GT Data https://frank.pocnet.net/sheetsE.html	GB	**6.00** **20 @ 5.00** **300 @ 4.00**
EBC41	Mullard, Philips. NOS. Guide price GBP10 wholesale.	WB	**POA**
EBC91	Please refer to equivalent **6AV6**.		
EBF80	Mullard, Marconi and other UK made NOS.	OB	**6.00**
EBF80	Bentley and other USSR NOS.	OB	**4.00** **40 @ 2.20**
EBF89	Bentley and other East Euro made incl RFT Germany. If you accept bulk pack, not WB, then deduct 25p from price.	OB/WB	**5.00** **8 @ 4.00** **100 @ 2.50**
EBF89	West European and North American brands.	OB/WB	**3.00**
EBL1	Philips West European manufacture.	OB/WB	**8.00**
Ec	Siemens, Germany. Audio tube. Similar to ED. Siemens yellow band logo. 2 pieces the same, inside and out. Data sheet on request.	OB	**160.00** **2 @ 150.00**
Ec	Siemens. Audio tube. Similar to ED. Siemens logo. 2 pieces: 1	OB	**160.00**

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BILLINGTON EXPORT LTD

TYPE	COMMENT	BOX	£ GBP PRICE each
	piece looks new, the other piece looks decent but used, because the grey metallising is flaking - therefore reduced price. Data sheet on request.		2 @ 120.00
EC31	UK/USA NOS. Good quantities in stock. Please enquire.	Most OB	POA
EC52	Mullard, UK. Audio triode. Data: Vf=6.3V, If=430Ma, Va=250V, Ik=10Ma, S=6.5Ma/V.	OB/WB	12.00
EC53	CV1197. Mullard, UK NOS. It has an unusual 3-pin base.	GVT/WB	5.00 20 @ 4.00
EC70	UK and USA NOS.	OB/WB	4.00
EC80	Mullard, Philips etc. West Euro made. Audio single triode. NOS. Some similarities to ECC81 double triode.	OB/WB	11.00
EC81	Mullard / Philips Holland NOS. With logo. Equivalent to 6R4/. Low noise and low microphony, good gain and great audio sound. Single triode. Data http://tubedata.itchurch.org/sheetsE1.html	GVT	10.00 100 @ POA
EC86	East Euro made NOS. B9A base. Single triode, not the same as ECC88. Data: Vf=6,3V, If=165Ma, Va=175V, Ik=13Ma, S=13Ma/V, Pa=2W.	Most OB	6.00 10 @ 4.75 50 @ 4.00
EC88	Mullard logo UK NOS. B9A base. Single triode, not the same as ECC88. Data: Vf=6,3V, If=165Ma, Va=175V, Ik=13Ma, S=13Ma/V, Pa=2W.	MOST OB	6.00 10 @ 5.00 50 @ 4.50
EC88	Telefunken. Please refer to E88C / 8255, very near equivalent.	OB	POA
EC88	West European manufacture including Valvo. Single triode, not the same as ECC88.	OB/WB	6.00
EC90	Equivalent to 6C4W.		
EC91 / 6AQ4	Mullard logo UK NOS CV4070/CV417. Audio triode with blue glass. Data: Vf=6.3V, If=300Ma, Va=250V, Ik=15Ma, S=9.5Ma/V, Pa=2.5W. EC91 equivalent to 6AQ4 CV4070 CV417.	GVT	100 @ POA
EC91 / 6AQ4 / CV4070	UK NOS. Very low price. These are probably unused and guaranteed but untested. Print styles are mixed. All are egg crate / bulk pack.	BP	3.20 10 @ 2.50 100 @ 2.00
EC92	Refer to 6AB4.		
EC93	Siemens.		5.00 16 @ 4.00
EC157	Philips and French Philips like RT. NOS and 12 months guarantee.	OB/WB	50.00 16 @ 40.00
EC157	Philips and other good quality brands made in West Europe/USA. Test as new but look like clean used. Guaranteed 3 months.	WB	10.00 16 @ 9.00
EC158	Philips and French Philips like RT. NOS and 12 months guarantee.	OB/WB	30.00
EC360 Grade One	RFT, German triode tube. Near equivalent to Russian 6C41C but with octal socket. Grade One.	G1	18.00 4 @ 16.00
EC900	Mullard import. NOS. Suitable for audio tuners.	Most OB	4.00 4 @ 3.20 20 @ 2.80 100 @ 2.40
EC8010	Siemens gold pin NOS. 100 all identical. Makes a useful SE amp, with 300B, F2A, KT88, EL156. Some similarities to 437A, 3A-167M, EC8020.	OB	40.00 10 @ 36.50 100 @ 34.00
ECC31	Mullard, logo. UK. NOS. Shoulder shape. Pan getter. Some grey glass, some black glass, some taller, some shorter. In sets of 2 or 4 pieces of identical appearance.	OB/WB	75.00 8 @ 66.00
ECC31 Grade One	Mullard, logo, UK. ST shape, test as Grade One. Pan getter.	G1	55.00
ECC31	Please refer to 6N7G equivalent.		
ECC32	2 x Mullard logo black base. 2 x Mullard logo brown base. 2 x Philips logo brown base. All UK, NOS. All matched pair electrically.	OB/GB	420.00 6 @ 400.00 each

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TYPE	COMMENT	BOX	£ GBP PRICE each
ECC32	Mullard logo UK, NOS. 4 pieces the same appearance, black base, grey glass. But not match pairs electrically.	GB	**360.00** **6 @ 350.00 each**
ECC32 / 6N7GT	Please refer to 6N7GT Russian, possible alternative, not equivalent. Many hundreds 6SN7GTB listed elsewhere in this list.	OB	**POA**
ECC32 / EBC33	These are EBC33 triode + double diode. Similar to half of an ECC32. These are EBC33 or equivalents AR21/CV1055. Mullard NOS, UK made, shoulder shape, octal base. For data http://www.tubedata.info/ if you have difficulty finding data, please contact our office. We are glad to help customer with data enquires. Please allow 2 working days for replies about data.	OB/WB	**8.00** **4 @ 6.00** **100 @ 4.80**
ECC32	Please refer to 6F8G as possible alternative.		
ECC33	Russian.	OB/WB	**10.00**
ECC33	Mullard logo UK, NOS. Tested guaranteed. Set of 3 of the same appearance.	OB/WB	**240.00** **2 @ 230.00** **3 @ 220.00**
ECC33	Mullard logo UK, NOS. Tested guaranteed. Singles, not 2 of the same appearance.	OB	**200.00** **2 @ 190.00** **4 @ 180.00**
ECC33 **Grade One**	Mullard, UK with logo. Test as Grade 1. Big base.	G1	**175.00** **2 @ POA**
ECC34	Mullard logo UK, NOS. Vintage UK manufacture. Sets of 2 pieces same appearance. Tested and guaranteed.	OB	**165.00** **4 @ 120.00**
ECC34 USED	Mullard, UK with logo. Vintage UK manufacture, all identical. Used and not new appearance but tested and guaranteed. Sets of 4 identical should be available.	WB	**75.00**
ECC35 USED	Philips or Mullard UK. Used & test only 50-60 percent emission. Set of 2 pieces of identical appearance.	OB	**110.00** **4 @ 105.00**
ECC40	Mullard logo, West European made, NOS. Out of stock.	OB/WB	**POA**
ECC40	Mullard, Philips or other West European made. NOS. Socket is B8A 89SKS.	WB	**25.00**
ECC70	These are CV466 HIVAC NOS, equivalent to ECC70 & 6021. Wire ended. Partly similar to 12AX7, but not equivalent.	WB	**12.50** **13 @ 11.50**
ECC70	These are CV3986 Mullard military boxed, equivalent to ECC70 & 6021. Mullard UK NOS. Partly similar to 12AX7. NOS, guaranteed & clean. Only 8 pieces available.		**12.50**
ECC70	Russian NOS. Printed [Cyrillic script] 6N16B. Wire ended. Data http://audio.ring.lt/pdf/6n16b.pdf. Potential audio type.	WB/OB	**3.00** **10 @ 2.00** **100 @ 1.40**
ECC70 USED	Mullard UK equivalent to CV3986 & 6021. Mullard UK, used. Good length leads and guaranteed by Billington Export Ltd. Partly similar to 12AX7.		**10 @ 4.25** **40 @ £3.50**
ECC81	See also 6201.		
ECC81	Amperex Bugle Boy with logo. Made in Holland	OB/WB	**30.00**
ECC81	BILLINGTON GOLD. Chinese manufacture. With guarantee. NOS, clean and tested to a special standard. Great audio quality. Suitable **microphones** such as groove tube MD1.		**10.00** **50 @ 9.00**
ECC81	BILLINGTON GOLD. USA manufacture. With guarantee. NOS, clean and tested to special standard. Great audio quality. **Supplied in matched pairs at no extra cost.**	OB	**10.00** **50 @ 9.00**
ECC81	Brimar UK NOS. 6060 white “T” logo. "T" is trustworthy.	WB	**35.00** **10 @ 30.00**
ECC81	Brimar UK NOS. 6060. A special quality version of 12AT7. Brimar “T” trustworthy white logo. Black anode. Great for Hi-Fi amps as phase splitters. Good for any amplifier using the 12AT7 tube to restore that classic sound. Very open and smooth sound and reduced microphony.	WB	**40.00** **16 @ 32.00**
ECC81	Brimar UK NOS. 6060 Triple mica yellow “T” label. "T" is part of the	WB	**40.00**

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BILLINGTON EXPORT LTD

TYPE	COMMENT	BOX	£ GBP PRICE each
	"trustworthy" range.		24 @ 35.00
ECC81	Brimar logo, UK NOS. CV4024/12AT7WA Brimar KB/AD Military quality. Made in England. Brimar white logo. Black anode. NOS and tested, guaranteed. Government boxed. Great for hi-fi amps.	GB	33.00 10 @ 32.00
ECC81	Brimar UK NOS CV4024 Military quality. Believed 1960s.	WB	32.00 30 @ POA
ECC81	Brimar logo UK NOS. Triple mica	WB	37.50 12 @ POA
ECC81	Brimar logo, UK NOS. Square getter.	WB	37.50 12 @ POA
ECC81	Brimar logo, UK NOS.	WB	30.00 50 @ POA
ECC81	Chinese manufacture. Good quality with 60 day guarantee. NOS. Data http://tubedata.itchurch.org/sheetsE1.html Not triple mica construction, hence lower price.	WB	8.00 100 @ 6.25
ECC81	Chinese manufacture. Triple mica. Other details as ECC81 Chinese above.	WB	8.50 100 @ 7.20
ECC81	Electro-Harmonix x 10 & EI Yugoslavia x 20. NOS, tested, guaranteed.	OB/WB	15.50 10 @ 12.50 20 @ 12.00
ECC81	EI Yugoslavian made. NOS. Silver anode.	OB/WB	30.00
ECC81	EI grey pin. Yugoslavia. NOS tested guaranteed. Grey anode.	WB	34.00
ECC81	GE, Westinghouse, Raytheon. USA NOS. 50 or 100 of each with logo. Square or D getter. Great for Hi-Fi amps as phase splitters. Good for any amplifier using the 12AT7 tube to restore that classic sound. Very open and smooth sound and reduced microphony. Good A1-A2 balanced anodes.	OB/WB	22.00 10 @ 18.00 100 @ 16.00
ECC81	GE, Sylvania and Westinghouse, approx 10 of each, with logo. USA NOS. Grey anode and ring getter.	Mostly OB	12.00 More @ POA
ECC81	GE, USA NOS. Square getter or triple mica or black anode. Clean, tested and guaranteed.	OB/WB	20.00 Bulk @ POA
ECC81	Heintz logo but Sylvania USA made. NOS with logo, 1950s made. D getter, triple mica, black anode. Clean, tested and guaranteed. 100 pieces the same inside and out. Great for Hi-Fi amps as phase splitters. Very open and smooth sound and reduced microphony.	WB	22.00 More @ POA
ECC81	Japan NOS. Unused, tested and guaranteed. Mixed appearance, mixed brands hence the bargain price. Grey anode and circle getter. Great for Hi-Fi amps as phase splitters. Good for any amplifier using the 12AT7 tube to restore that classic sound. Very open and smooth sound and reduced microphony.	OB/WB	6.00 100 @ 4.00
ECC81	JJ logo, grey pin. Made in Slovakia. New / guaranteed.	OB/WB	18.00 16 @ 14.00
ECC81	Marconi logo, UK NOS. Balloon shape. 1 piece only.	WB	600.00
ECC81	Mazda logo. NOS D getter. Clean, tested and guaranteed. We don't know the country of manufacture. Might be West Europe?	OB/WB	8.00 35 @ 6.40
ECC81	Mazda France. NOS.	OB/WB	35.00 10 @ 30.00
ECC81	Mazda logo. NOS O getter. Clean, tested and guaranteed. French made.	WB	24.00 11 @ 20.00
ECC81	Mazda, Westinghouse & Raytheon with logo. Made in Japan in the 1960s. Look new / NOS. Look unused. Tested as used around 65 percent emission. Clean and guaranteed. Good quality items and have a good reputation for low noise.	WB	8.00 10 @ 5.00 50 @ 3.50
ECC81	Mullard, UK Square getter NOS.	OB/WB	45.00 10 @ 40.00 50 @ POA

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TYPE	COMMENT	BOX	£ GBP PRICE each
ECC81	Mullard NOS. Single suture anode. Square getter. NOS. Tested. UK made (Blackburn). CV455 KB/DA MB, Military spec, TK1-B6E factory code (1956).	OB/WB	**50.00** **20 @ 40.00**
ECC81	Mullard UK, NOS. GVT print CV4024. M8162 Mullard logo. Low noise/microphony, good gain and great audio sound. Double suture anode construction. These get rarer all the time. Double suture Mullard logo version.	GVT box	**40.00** **100 @ POA**
ECC81	Mullard UK, NOS. GVT print CV4024. Some have Mullard logo, please ask. These get rarer all the time. Double suture, Mullard but no logo version.	WB	**21.50** **100 @ 20.00**
ECC81	M8162 Mullard, logo UK NOS. Made in Great Britain. Single suture Mullard logo version.	OB	**20.00** **5 @ 19.50** **100 @ 16.50**
ECC81	M8162 Mullard, logo UK NOS. Made in Great Britain. Single suture. Mullard without logo version.	WB	**19.00** **5 @ 18.50** **100 @ 15.50**
ECC81	Philips Holland or square getter NOS.	OB/WB	**45.00** **10 @ 40.00**
ECC81	Philips SQ logo UK, NOS. Printed “12AT7WA”. Double suture anode. Same as the other Mullard UK CV4024 double suture, except for print style. Polystyrene military box.	MB	**19.00** **More @ POA**
ECC81	RCA logo, USA. Black anode, O getter. NOS, clean, tested and guaranteed.	OB/WB	**14.00** **40 @ 12.00**
ECC81	RCA logo, USA. Black anode, D getter. NOS, clean, tested and guaranteed.	OB/WB	**21.00** **20 @ 15.00**
ECC81	RCA, USA NOS. Circle getter. Please enquire for bulk quantities.	OB	**12.00** **50 @ 10.00**
ECC81	RCA logo, USA NOS. Triple mica, black anode	Most OB	**35.00** **10 @ 20.00**
ECC81	RCA logo, USA NOS. D getter. Most black anode. Please enquire for bulk quantities.	Most OB	**22.00** **Bulk @ POA**
ECC81	RFT, East German. NOS. Flat anode gives great audio sound.	OB/WB	**10.00** **20 @ 9.00** **40 @ 8.00**
ECC81	Sylvania logo USA NOS with logo, 1950s made. D getter. Triple mica. Great for Hi-Fi amps as phase splitters. Good for any amplifier using the 12AT7 tube to restore that classic sound. Very open and smooth sound and reduced microphony.	GB	**22.00** **Bulk @ POA**
ECC81	Sylvania logo USA NOS. Estimate 1960s made. O getter, black anode. Clean, tested guaranteed. Some 12AT7WA, some 12AT7WB. Some double flange anode, some single flange. 10 pieces identical appearance A, 10 pieces identical appearance B, 10 piece identical appearance C.	OB/WB	**12.00** **20 @ POA**
ECC81	Telefunken logo NOS. West Germany. With diamond “◊” between pins. NOS, tested and guaranteed.	OB	**60.00** **12 @ 45.00**
ECC81	Toshiba logo made in Japan in the 1960s. NOS tested, clean and guaranteed. Good quality items and have a good reputation for low noise. All the same date code & appearance.	OB	**20.00** **4 @ 16.50** **50 @ 15.50** **200 @ 14.50**
ECC81	Toshiba logo made in Japan in the 1960s. Look new/NOS. Look unused. Tested as used, around 65% emission. Clean and guaranteed. Good quality items and have a good reputation for low noise. All the same date code & appearance.	OB	**10.00** **8 @ 6.50** **50 @ 5.00**
ECC81	Tung-Sol logo, USA made NOS. Circle getter. 16 grey and, 16 black anodes. 1960s made.	Mostly OB	**12.00**
ECC81	Tung-Sol logo, USA NOS. D getter, grey anode.	OB/WB	**22.00**
ECC81	Tung-Sol logo, USA NOS. D getter, grey anode, double mica.	OB/WB	**14.00**

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TYPE	COMMENT	BOX	£ GBP PRICE each
ECC81	Tungsram Hungary NOS. Natural sounding, extended top end, tight bass sound. Very good tonal balance and clarity. Tested, identical, guaranteed. All same appearance.	OB/WB	**17.50** **8 @ 15.00** **20 @ POA**
ECC81	Valvo logo. NOS. Horseshoe getter. West German made.	WB	**40.00**
ECC81	Valvo logo – sold – please enquire.	Most OB	**POA**
ECC81	West German made. Logo is Valvo or Siemens or Telefunken. Sets of 2 the same. No diamond between the pins. No <>. NOS. Tested and guaranteed.	OB	**40.00**
ECC81 / 12AT7WA	National made in India. NOS tested guaranteed. We are told the Indian factory used Mullard UK technology and tools. The appearance is very similar to Mullard UK single suture. Excerpts from the Effectrode website, in England… "*Mullard's empire had a long and mighty reach. Not only did they build advanced tube manufacturing facilities in in Great Britain, but also set up tube plants overseas in Holland, France, Australia (Philips Miniwatt,) and India (Bangalore). These 'foreign made' tubes were manufactured utilising Dutch Philips/Mullard British-supplied tooling and expertise, which meant these tubes were physically identical to their British made counterparts, they had the same shaped anode plates, support micas, the same seamed glass envelope, the same spot welding, same grid wire spacing and, most importantly, the same cathode chemistry and processing.* *The Bharat Electronics Limited plant in Bangalore India was set up in collaboration with Thompson CSF, France, during 1954 in the early days, components, such as plates, micas etc were shipped to the factory in Bangalore, India from Philips/Mullard in Europe.*"	Red OB	**10.00** **60 @ 8.00**
ECC81 / 12AT7 / E81CC	Gold pin. Chinese manufacture. NOS. Tested. Good quality, guaranteed.	WB	**10.00** **20 @ 9.00** **50 @ 7.00**
ECC81 / B309	Marconi, UK made. NOS. **Grey anode square getter**. Sets of 2 pieces of the same appearance. Electrical matched pairs may be possible for a small fee. We have 2 versions. One has 3 circles in the anode, and one that does not.	OB/WB	**75.00**
ECC81 / B309	Marconi, UK made. NOS. **Grey anode circle getter**. Sets of 2 pieces of the same appearance. Electrical matched pairs may be possible for a small fee. We have 2 versions. One has 3 circles in the anode, and one that does not.	OB/WB	**32.00** **20 @ 28.00**
ECC81 / CV2016	Brimar logo x 4, UK NOS. Mullard x 8, NOS. Same as UK ECC81 except that these have flying leads & brown wafer instead of B9A socket. Very rare item!	GVT	**10.00** **4 @ 9.00** **12 @ 8.00**
ECC81 / CV4033	Brimar logo, UK NOS. Identical to UK ECC81 except that these have flying leads (wire ended) instead of B9A socket. They can be soldered straight into the PCBs which yield low noise.	GVT	**8.50** **10 @ 6.00**
ECC81 **Grade One**	Brimar UK 6060. A special quality version of 12AT7. Brimar yellow "T" trustworthy label. Black anode. Great for Hi-Fi amps as phase splitters. Good for any amplifier using the 12AT7 tube to restore that classic sound. Very open and smooth sound and reduced microphony. Rare and desirable item. *As used but over 80 percent emission. Very clean considering it's a used tube.	G1 box	**30.00** **16 @ 24.00**
ECC81 **Grade One**	Brimar logo. UK. Tested as Grade One. **O getter**.	G1	**12.00** **4 @ 10.00**
ECC81 **Grade One**	Brimar logo. UK. **Square or D getter**. Clean, tested as Grade One and guaranteed. **** Quantity in stock may be less than shown. Please enquire about actual quantity. We answer promptly****	G1	**12.00** **More @ POA**
ECC81 **Grade One**	MOV, UK Grade One. B309 with logo or sticker.	BB	**50.00**
ECC81	Mullard logo UK. **Square or D getter**. Tested and guaranteed.	G1	**25.00**

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TYPE	COMMENT	BOX	£ GBP PRICE each
Grade One			20 @ 22.00 50 @ POA
ECC81 Grade One	Mullard logo UK. **O getter**. Tested as Grade 1. All **double** suture construction. Includes some double support getter. Includes CV4024 M8162.	G1	14.00 10 @ 13.00 50 @ POA
ECC81 Grade One	Mullard logo UK CV4024. **Single** suture anode. Tested and guaranteed.	G1	13.00 20 @ 12.00 50 @ POA
ECC81 Grade One	RFT, East German. Grade One, might be NOS, look almost new but test only 80 percent emission.	G1	7.00
ECC81 Grade One	Siemens logo. No diamond mark, but West German made. Test as grade one. Guaranteed. 2 mica.	G1	13.00 10 @ 12.00
ECC81 Grade One	Siemens logo. No diamond mark, but West German made. Test as grade one. Guaranteed. Triple mica.	G1	13.00 10 @ 15.00
ECC81 Grade One	Sylvania logo. Tests as Grade One. Decent appearance and guaranteed. 64 black anode with O getter, USA made.	G1	10.00 50 @ 8.00
ECC81 Grade One	Telefunken, West Germany with diamond "<>" between the pins. Test as Grade One.	G1	25.00 8 @ 40.00
ECC81 Grade One	USA made Sylvania and Westinghouse with logo. Test as Grade One. Clean, uniform and guarantee.	BP	5.00 More @ POA
ECC81 Grade One	GE USA made. Tests as Grade One. Decent appearance and guaranteed. All triple mica. Most are black anode.	G1	11.50 16 @ 10.00 75 @ 8.50
ECC81 USED	Brimar UK 6060. A special quality version of 12AT7. Brimar yellow "T" trustworthy label. Black anode. Great for Hi-Fi amps as phase splitters. Good for any amplifier using the 12AT7 tube to restore that classic sound. Very open and smooth sound and reduced microphony. Rare and desirable item. * Over 60 percent emission.	G1 box	20.00 16 @ POA
ECC81 USED	6060 Brimar White "T" logo, UK. All black anode. Used, tested and guaranteed.	WB	19.00 24 @ 16.00
ECC81 USED	Brimar UK. Square getter. All black anode. Used, tested and guaranteed.	WB	18.00
ECC81 USED	Brimar UK, used tested minimum 65% emission, guaranteed. 6060 Triple mica yellow "T" label. "T" is part of the "trustworthy" range.	WB	20.00 40 @ 15.00
ECC81 USED	GE, Sylvania, Westinghouse USA made. With logo. Test as used, approximate 65-75 percent emission. Clean, uniform and guaranteed. These are D getter, or triple mica. Most are black anode. Sets of 10 or 20 or 30 pieces identical appearance.	BP	10.00 16 @ 9.00 100 @ POA
ECC81 USED	Mullard logo UK. **SINGLE** suture anode. Printed CV4024. Tested as used 65-75 percent emission and guarantee.	WB	8.00 20 @ 7.00
ECC81 USED	Mullard logo UK. **DOUBLE** suture. O getter. Printed CV4024 M8162. Decent appearance for a used tube.	**G1**	9.00 10 @ 8.00
ECC81 USED	Mullard/Philips. UK/Holland. **D getter.** Tested as used 65-75 percent emission, guaranteed.	WB	13.00 10 @ 11.00
ECC81 USED	RCA logo, USA made. Grey anode with circle getter. Used tested, look almost new.	OB/WB	7.00
ECC81 USED	RCA logo, USA made, D or square getter. **Black** anode. Used tested, look almost new.	OB/WB	16.00 20 @ 14.00
ECC81 USED	Siemens logo. No diamond mark, but West German made. Look nearly new, but test as used. Guaranteed. 2 mica.	WB	9.00 20 @ 8.00
ECC81 USED	Siemens logo. No diamond mark, but West German made. Look nearly new, but test as used. Guaranteed. Triple mica.	WB	10.00 10 @ 9.00
ECC81 USED	Sylvania logo. Tests as used, guaranteed. Clean, uniform and guarantee. D getter, black anode, **TRIPLE** mica. 60 x grey plate, 30 x black plate. All identical appearance. If you take your whole order as grey plate, instead of black plate, we can discuss a small price reduction.	BP	7.50 50 @ 6.00

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TYPE	COMMENT	BOX	£ GBP PRICE each
ECC81 USED	Sylvania logo. Tests as used, guaranteed. Clean, uniform and guarantee. D getter, black anode. 12 x grey plate, 40 x black plate. All identical appearance. If you take your whole order as grey plate instead of black plate, we can discuss a small price reduction.	BP	**7.50** **50 @ 6.00**
ECC81 USED	Sylvania logo. Tests as used, guaranteed. Clean, uniform and guarantee. O getter, black anode, **TRIPLE** mica. All identical appearance.	BP	**7.50** **50 @ 6.00**
ECC81 USED	Sylvania logo. Tests as used, guaranteed. Clean, uniform and guarantee. O ring getter. 60 x black plate. All identical appearance.	BP	**6.00** **10 @ 5.00** **60 @ 4.00**
ECC81 USED	Telefunken logo, West German with "<>" between the pins. Used, tested and guaranteed.	BB	**30.00** **8 @ 25.00**
ECC81 USED	Telefunken logo and <> diamond between pins. West German. These test around 50 or 60 percent emission. This is below normal pass mark, but still useful for many purposes. Decent appearance, good print, guaranteed.	WB	**24.00** **4 @ 20.00**
ECC81 USED	Tung-Sol logo, USA made. 16 D getter. Grey anode 1960s made. Used, tested guaranteed.	WB	**9.00** **32 @ 6.50**
ECC81 USED	Tung-Sol logo, USA made. 30 square or D getter. Black anode 1960s made. Used, tested guaranteed.	WB	**12.00** **30 @ 11.00**
ECC81 USED	Tungsram Hungary, used. Natural sounding, extended top end, tight bass sound. Very good tonal balance and clarity. Used, tested/guaranteed.	OB/WB	**11.00** **8 @ POA**
ECC81 USED	USA made Westinghouse. Used not new appearance but tested strong with guarantee. Sets of 20 pieces identical.	BB	**11.00** **100 @ 8.00**
ECC81 USED	USA made Westinghouse. D getter. Used but tested strong with guarantee. Many look unused.	WB	**11.00** **200 @ 8.00**
ECC81 USED	USA made specials. Tests as used, guaranteed, Sylvania logo. Clean, uniform and guarantee. D getter, most black anode. Sets of 10 or 20 or 30 pieces identical appearance.	BP	**11.00** **30 @ 8.00**
ECC81	Please refer to ECC91. Possible alternative, not equivalent with common cathode and B7G base.		
ECC82	Amperex, Holland bugle boy GBP36 wholesale when available.	WB	**POA**
ECC82	BILLINGTON GOLD 12AU7. Made in USA. NOS. High audio quality. Individually tested within very tight limits. Guaranteed. They have a good reputation worldwide. Sometimes Billington Gold USA is also available.	OB	**14.00** **Bulk @ POA**
ECC82	Brimar logo, UK NOS. D getter, clear top glass. Grey anode.	WB	**40.00**
ECC82	Brimar logo, UK NOS. Square getter, black anode.	WB	**55.00**
ECC82	Brimar UK NOS. Brimar logo. Square side getter, grey anode, clear top. Tested.	OB/WB	**40.00**
ECC82	Brimar red logo, vintage red print. UK NOS. Square getter, grey anode.	WB	**100.00**
ECC82	Brimar logo, UK made 12AU7. NOS, guaranteed. Grey normal anode. Circle O getter plate.	OB	**30.00** **32 @ 27.50**
ECC82	Brimar logo, UK made. NOS, guaranteed. Black anode. Circle getter.	Most OB	**38.00**
ECC82	Brimar logo, UK made 12AU7. NOS, clean, tested and guaranteed. Good for high end hi-fi. Grey long anode. Circle O getter plate.	Most OB	**32.00** **60 @ 30.00**
ECC82	Chinese manufacture. Good quality with 60 day guarantee. NOS. made by Beijing or Shuguang factory.	WB	**7.50** **10 @ 5.50**
ECC82	Chinese. In short supply throughout 2020. Please consider USA or Japanese made. Listed on this page or the next page.	BP	**POA**
ECC82	Japan NOS. Unused, tested and guaranteed. Most are Mazda, Westinghouse, Raytheon or Toshiba. Great for Hi-Fi amps as phase splitters. Good for any amplifier using the 12AT7 tube to restore that	OB/WB	**12.00** **8 @ 11.00** **50 @ 10.00**

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PLEASE ADD 50 PERCENT RETAIL SURCHARGE FOR ORDERS UNDER GBP240.

BILLINGTON EXPORT LTD

TYPE	COMMENT	BOX	£ GBP PRICE each
	classic sound. Very open and smooth sound and reduced microphony.		
ECC82	EH. Not in stock. Please consider Tungsram Hungary, RFT, German or USA made. Listed on this page on the next page.	OB/WB	**POA**
ECC82	EI Yugoslavian made. NOS.	OB/WB	**19.00**
ECC82	Full music logo, Mullard, CV4003 style box anode. Gold pins. Chinese made. Balanced tone, tight bass, sweet mids and well-defined highs. Price is per tube. Match pair can be arranged.	OB	**25.00** **12 @ 16.00**
ECC82	GE, Raytheon, Sylvania, Westinghouse. Gold box. USA made, NOS, clean, tested, guaranteed, uniform. Most have logo. O ring getter.	Most OB	**17.50** **20 @ 13.00** **100 @ 12.00**
ECC82	50 GE, 50 Sylvania, 50 Westinghouse, 50 Raytheon. All USA NOS with logo. All square or D getter, some black anode. All sets of 4 or more of identical appearance. NOS, clean, tested and guaranteed. Great for Hi-Fi amps as phase splitters. Open and smooth sound.	OB/WB	**24.00** **8 @ 16.00** **100 @ 15.00**
ECC82	Mazda logo, UK made 12AU7. NOS, clean, tested and guaranteed. Grey anode. Circle O getter plate.	OB	**32.00** **10 @ 28.00**
ECC82	Mazda logo, French made 12AU7. NOS, clean, tested and guaranteed. Grey anode. Circle O getter plate.	OB	**35.00**
ECC82	Mullard logo. Square getter. 2 have box anode. CV403, 1 has long ladder anode. UK made, tested, guaranteed.	WB	**250.00** **3 @ 230.00**
ECC82	Mullard, logo. UK. NOS. M8136. CV4003. Box anode, tested, guaranteed.	Blue Box	**82.00**
ECC82	Mullard logo, UK NOS. Square getter. Goal post support.	WB	**200.00**
ECC82	Mullard logo, UK NOS. O getter, long anode. All have goal post support.	WB	**120.00**
ECC82	Genuine UK. NOS manufacture by Mullard, CV4003. Box anode, but military print, instead of logo.	GB	**80.00**
ECC82	Mullard ladder anode. UK/Holland NOS with logo. Tested, guaranteed. Some ring getter, some parasol getter. Please advise your preference.	Most OB	**45.00** **30 @ 33.00**
ECC82	Mullard ladder anode. Made in Holland, NOS with logo. Tested, uniform.	Most OB	**45.00** **16 @ 33.00**
ECC82	JJ. Not in stock. Please consider Tungsram Hungary, RFT German or USA made. Listed on this page on the next page.	OB/WB	**POA**
ECC82	Philips logo, West Europe NOS. 1 or 2 only.	OB/WB	**34.00**
ECC82	Raytheon, Westinghouse and other Japanese. NOS.	OB	**13.00** **50 @ 10.00**
ECC82	RCA logo, USA NOS with RCA acid etch. Clear top version. All identical, tested and guarantee. All identical appearance.	OB	**30.00** **10 @ 27.00** **30 @ 24.00**
ECC82	RCA logo, USA NOS with RCA acid etch. Square getter version. Long black anode. All identical, tested and guarantee.	OB	**30.00** **36 @ 28.00** **100 @ 18.50**
ECC82	RCA logo, USA NOS with RCA acid etch. O getter and silver splash getter versions. All identical, tested and guarantee.	OB	**20.00** **10 @ 15.00**
ECC82	RCA with logo and acid etch. USA NOS. Square / D getter version. Grey anode. All identical, tested and guaranteed.	OB	**25.00** **30 @ 22.00** **100 @ 17.50**
ECC82	RFT East Germany. One of the quietest ECC82 ever made. Low noise, low microphony. When available approx GBP20.00.	OB/WB	**POA**
ECC82	Siemens West Europe, NOS, Stock please enquire.	OB/WB	**POA**
ECC82	Telefunken, West German with logo and diamond <> mark. NOS. Set of 4 of the same appearance. Matched pairs usually available.	Most OB	**110.00** **4 @ 105.00**
ECC82	Tesla vintage Czechoslovakian. Estimated 1970s.	OB	**12.00**

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BILLINGTON EXPORT LTD

TYPE	COMMENT	BOX	£ GBP PRICE each
	Tesla logo, clean, tested and guaranteed.		
ECC82	Tung-Sol logo, USA NOS black glass.	WB	**30.00**
ECC82	Tung-Sol, USA made NOS with logo. D getter. Clear glass.	OB/WB	**20.00**
ECC82	Tung-Sol, USA made NOS with logo. Black glass.	OB/WB	**30.00**
ECC82	Tung-Sol, USA made NOS with logo. O getter. Clear glass.	OB/WB	**16.00** **20 @ 14.00**
ECC82	Tungsram Hungary NOS. Natural sounding, extended top end, tight bass sound. Very good tonal balance and clarity. Tested, identical, guaranteed. All the same appearance.	WB	**17.50** **20 @ 15.00** **50 @ 12.50**
ECC82 10M	Mullard 10M logo - UK NOS with ladder anode. Grey pin. When available GBP 150 wholesale guide price.	OB	**POA**
ECC82 / 6AU7	These are 6AU7, partly similar to ECC82 but different heater. Tung-Sol, USA made NOS with logo. D getter. Clear glass.	OB	**7.50** **10 @ 5.00**
ECC82 / 12AU7	Mullard logo made in India. Printed "Mullard Import ECC82". NOS tested guaranteed. We are told the Indian factory used Mullard UK technology and tools. The appearance is very similar to Mullard UK. Excerpts from the Effectrode website, in England… "*Mullard's empire had a long and mighty reach. Not only did they build advanced tube manufacturing facilities in in Great Britain, but also set up tube plants overseas in Holland, France, Australia (Philips Miniwatt) and India (Bangalore). These 'foreign made' tubes were manufactured utilising Dutch Philips/Mullard British-supplied tooling and expertise, which meant these tubes were physically identical to their British made counterparts, they had the same shaped anode plates, support micas, the same seamed glass envelope, the same spot welding, same grid wire spacing and, most importantly, the same cathode chemistry and processing.* *The Bharat Electronics Limited plant in Bangalore India was set up in collaboration with Thompson CSF, France, during 1954 in the early days, components, such as plates, micas etc were shipped to the factory in Bangalore, India from Philips/Mullard in Europe.*"	Blue Mullard box	**17.00** **20 @ 15.50**
ECC82 / 5963	ECG Philips. Refer to 5963 entry on (around) page 54.	GVT	
ECC82 / 6067	Brimar white 'T' logo, trustworthy. UK NOS. Tests NOS, looks NOS. 17mm grey anode. Brimar UK with O getter. Guaranteed. 12 pieces the same appearance.	OB	**60.00** **12 @ 48.00**
ECC82 / 6189W	Please refer to 6189W Philips and Sylvania logo, USA for good quantity of NOS, clean stock.	OB/WB	**Refer**
ECC82 / B329	These have original print "B329" and MWT logo. MWT was part of Marconi group. UK made. The box anode looks the same as Mullard CV4003/M8136. **Square getter**. 2 have box anode. 1 has long ladder anode. NOS. Tested as NOS, guaranteed.	WB	**250.00** **3 @ 230.00**
ECC82 **Grade One**	Amperex Holland with **Bugle Boy** logo. Tested as Grade One, with guarantee. 9 pieces.	G1	**27.00**
ECC82 **Grade One**	Brimar UK. Long anode. Brimar T logo. Tested as Grade One.	G1	**30.00** **8 @ 25.00**
ECC82 **Grade One**	50 GE, 50 Raytheon logo and 50 Sylvania. All square getter. Some long anode and some **black anode**. All USA made. Grade One tested with guarantee. Sets of 8 pieces identical appearance. Some look nearly new.	G1	**18.00** **4 @ 15.00** **70 @ 11.00**
ECC82 **Grade One**	Mazda logo. UK made 12AU7. Clean, tested and guaranteed. **Grey anode**. Circle O getter plate. Grade One. 20 pieces	G1	**13.00**
ECC82 **Grade One**	Mullard, **Box anode** M8136 – made in UK. Tested as Grade One.	G1	**52.00**
ECC82 **Grade One**	Mullard, logo, UK with **long ladder anode**. Grade One tested and guaranteed.	G1	**70.00**
ECC82 **Grade One**	Mullard logo, **ladder anode**. Made in UK/Holland. Guarantee. Test as Grade One. Small stains in the glass. Mullard 7 digit code.	G1	**30.00** **10 @ 25.00**

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BILLINGTON EXPORT LTD

TYPE	COMMENT	BOX	£ GBP PRICE each
	Sets of 2 pieces identical appearance.		**50 @ 22.00**
ECC82 **Grade One**	Mullard, square getter.	G1	**80.00**
ECC82 **Grade One**	RCA logo, USA with RCA acid etch. Clear top version. D getter. All identical, tested and guarantee. Tests as G1. Good appearance but small stain in the glass.	G1	**20.00** **24 @ 16.00**
ECC82 **Grade One**	RCA logo, USA with RCA acid etch. Square getter version. **Black anode**. All identical, tested and guarantee. Tests as G1.	G1	**22.00** **50 @ 18.00**
ECC82 **Grade One**	RCA logo, USA with RCA acid etch. Square getter version. **Grey anode**. All identical tested and guarantee. Tests as G1.	G1	**15.00**
ECC82 **Grade One**	Sylvania, logo, **grey anode**, many are long anode. USA made. Clean, tested as Grade One. Guaranteed uniform.	G1	**12.00**
ECC82 **Grade One**	Sylvania, USA with logo. **Square or D getter**. Tested as Grade One.	G1	**22.00**
ECC82 **Grade One**	Telefunken, West Germany with logo and "◊" mark. NOS. Test As Grade One. Small stains in the glass.	G1	**50.00**
ECC82 **Grade One**	Telefunken, West Germany with logo and "◊" mark. Blue label. Tested emissions 80 percent. Used guarantee.	G1	**55.00** **8 @ 45.00**
ECC82 **Grade One**	Tung-Sol, USA made NOS with logo. Square or horseshoe shape getter. Tests at 80 or 90 percent emission ie Grade One. Good tonal balance and clarity. Clear glass.	G1	**20.00** **20 @ 17.50**
ECC82 **Grade One**	Tung-Sol, USA made NOS with logo. Square or horseshoe shape getter. Tests at 80 or 90 percent emission ie Grade One. Good tonal balance and clarity. Black glass.	G1	**25.00** **Bulk @ POA**
ECC82 USED	Brimar UK with square or **D getter & black anode**. Used, tested approximately 70 percent emission and guarantee. Not new appearance but clean. Some printed 6067 T logo.	WB	**25.00** **16 @ 22.00**
ECC82 USED	Brimar UK with square or **D getter & long grey anode**. Used, tested approximately 70 percent emission and guarantee. Not new appearance but clean. Some printed 6067 T logo.	WB	**42.50** **10 @ 37.50**
ECC82 USED	Brimar logo UK made. **O getter & long grey anode**. All tested, many test nearly new. Good appearance, but not new appearance. Sold at used price.	WB	**12.50** **50 @ 11.00**
ECC82 USED	Various: 50 GE, 50 Raytheon logo and 50 Sylvania. All square getter. Some long anode and some black anode. All USA made. Used and test 65-75 percent emission with guarantee. Sets of 8 pieces identical appearance. Some look nearly new.	WB	**20.00** **50 @ 10.00** **150 @ 8.00**
ECC82 USED	GE, USA. Believed 1950s made. Long anode. Special anode construction. D getter. Tests at 65 or 75 percent emission. Guarantee.	OB/WB	**20.00** **10 @ 16.00** **30 @ 10.00**
ECC82 USED	GE, USA. O getter. Tests at 65 or 75 percent emission. Guarantee.	OB/WB	**8.00**
ECC82 USED	Mullard logo UK made, used. These test around 50 or 60 percent emission. This is below normal pass mark, but still useful for many purposes. Decent appearance, good print, guaranteed. O getter normal grey anode.	WB	**16.00** **8 @ 12.50**
ECC82 USED	Mullard logo UK made used. Long grey anode, goalpost support. Square getter. These test around 50 or 60 percent emission. This is below normal pass mark, but still useful for many purposes. Decent appearance, good print, guaranteed.	WB	**50.00** **30 @ POA**
ECC82 USED	Mullard logo UK / Holland. Low emission. These test around 50/60 percent emission. This is below normal pass mark, but useful for some purposes. Decent appearance, good print, guaranteed.	WB	**13.00** **20 @ 12.00**
ECC82 USED	Mullard, UK / Holland. Ladder anode, O getter in sets of identical appearance. Used and not new appearance but tested 65-75 percent emission. Guaranteed.	WB	**25.00**
ECC82 USED	Mullard / Philips logo, UK / Holland with square getter.	WB	**110.00**

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BILLINGTON EXPORT LTD

TYPE	COMMENT	BOX	£ GBP PRICE each
	Used and tests 65-75 percent emission with guarantee. Most are goal post support. 2 or 3 foil getter. 1 or 2 welded anode. Tested, guaranteed.		**8 @ 97.50**
ECC82 USED	Mullard logo UK made. Used. Test around 50-60 percent below normal standards but useful for many applications. Goal post support. Square getter. Tested, guaranteed.	WB	**75.00** **8 @ POA**
ECC82 USED	Mullard logo, UK. O getter. Goal post support.	WB	**150.00**
ECC82 USED	Genuine UK. Mullard logo. CV4003. M8136. Used but good appearance. Tests around 65-75 percent emission.	WB	**40.00** **6 @ 35.00**
ECC82 USED	Raytheon logo, Westinghouse logo or Mazda logo. O getter plate. All Japan made. Used and test 65-75 percent emission with guarantee. Sets of 8 pieces identical appearance.	WB	**6.00** **50 @ 4.80**
ECC82 USED	RCA logo, USA with RCA acid etch. **Clear top version.** All identical, tested and guarantee. Decent appearance for a used tube. Many test fairly near to new.	WB	**20.00** **8 @ 17.50**
ECC82 USED	RCA logo, USA with RCA acid etch**. Square getter, black anode**. All identical, tested and guarantee. Decent appearance for a used tube. Many test near to new.	WB	**20.00** **30 @ 12.50** **100 @ 10.00**
ECC82 USED	RCA logo, USA made. **Square / D getter, long black anode plate**. Many look unused, but sold as a used tube at a used price. Test between 60 - 75 percent emission. Guaranteed.	OB	**15.00** **4 @ 14.00** **30 @ 13.00** **75 @ 12.00**
ECC82 USED	RCA logo, USA made. **Square / D getter, long grey anode plate.** Many look unused, but sold as a used tube at a used price. Test between 60 - 75 percent emission. Guaranteed.	OB	**14.00** **4 @ 13.00** **40 @ 12.00**
ECC82 USED	RCA logo, USA with RCA acid etch. **Square getter, grey anode**. Decent appearance for a used tube. But many test fairly near to new. Guaranteed.	WB	**15.00** **30 @ 12.00**
ECC82 USED	Sylvania, USA with logo. O getter. Used not new appearance. Tests at 65 or 75 percent emission. Guarantee.	BP	**8.00** **Bulk @ POA**
ECC82 USED	Telefunken, West Germany with logo and "◊" mark. Tested used guarantee.	G1	**35.00**
ECC82 USED	Tung-Sol, USA made with logo. Square or horseshoe shape getter. Tests at 65 or 75 percent emission. Clear glass.	WB	**15.00** **20 @ 12.00**
ECC82 USED	Tung-Sol, USA made with logo. Square or horseshoe shape getter. Tests at 65 or 75 percent emission. Black glass.	WB	**15.00** **Bulk @ POA**
ECC82 USED	Tungsram Hungary. Natural sounding, extended top end, tight bass sound. Very good tonal balance and clarity. Used, tested, guaranteed. All same appearance.	OB/WB	**9.00** **8 @ 7.00**
ECC82	Equivalent to **12AU7.**		
ECC82	Please refer to **9AU7**. Equivalent to each other but ECC83 has 6.3V heater, 9AU7 has 9V heater.		
ECC82	Please refer to **6350, possible alternative.** Adapters can be found on the Internet to convert 6350 into 6SN7, ECC88, ECC82 etc.		
ECC83	Amperex bugle boy logo Holland. NOS. Test as new. Good appearance. Mullard, 7 digit code. Supplied in sets of 4 pieces identical appearance, the same inside and out. Electrical match pairs can be arranged.	WB	**95.00** **More @ POA**
ECC83	BILLINGTON GOLD. Chinese made by the Psvane factory individually tested within very tight limits and inspected for superior physical conformity. Guaranteed. A good reputation worldwide especially amongst Asian audiophiles. Supplied in attractive blue/red/gold boxes.	OB	**15.00** **50 @ POA**
ECC83	Brimar logo, UK made. O getter. Some are CV4004 / 12AX7 Brimar England ribbed plates.	OB/WB	**60.00** **12 @ 57.50**
ECC83	Brimar logo, UK made. Square or D getter. 2 grey anode 2 black anode.	OB/WB	**120.00** **4 @ 115.00**

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TYPE	COMMENT	BOX	£ GBP PRICE each
ECC83	Chinese manufacture. NOS tested, guaranteed. Unused and clean, made by Shuguang in China. Deduct 25p if you will accept bulk pack / egg crate (25p off for no box).	WB	12.00 50 @ 8.00
ECC83	Psvane Chinese manufacture. NOS tested, guaranteed. Unused and clean.	OB/WB	15.00 100 @ 11.40
ECC83	EI logo. Grey pin. Yugoslavia. Grey plate. NOS tested guaranteed.	WB	40.00
ECC83	EI, made in Yugoslavia. NOS, tested and guaranteed. 12AX7. Shiny silver anode that some people call “silver bullet.”	WB	35.00
ECC83	Electro-Harmonix Russia. Quantity is limited to stock that we have on the shelf today (50 pieces) NOS guaranteed. We bought these cheaply last year at “last year’s price”.	WB	18.50 50 @ 11.50
ECC83	Russian Electro-Harmonix. Big quantities available from overseas supplier at “this year’s price“. Arriving at Billington Export 10 days after your payment. New guaranteed.	OB	19.00 10 @ 17.00 100 @ 14.00 500 @ POA
ECC83	Russian unused, look new, test used around 65 percent. Believed to be Sovtek. Type # only printed on glass.	WB	10.00 16 @ 7.00
ECC83	Russian unused, look new, test used only 50 percent outside normal parameters. Useful for some applications around 65 percent. Believed to be Sovtek. Type # only printed on glass.	WB	5.00 12 @ 4.00
ECC83	USA made NOS with logo. Tested. O getter. Grey anode plate. Westinghouse, Sylvania, GE, Raytheon. Usually 4 pieces of each but often 8 pieces of each. Please ask for today’s stock levels.	OB/WB	37.50 4 @ 32.00 20 @ 26.00 40 @ POA
ECC83	12Ax7 Raytheon, GE USA made NOS with logo. Tested and D getter. Grey anode plate.	OB/WB	48.00 8 @ 42.00
ECC83	12AX7 Raytheon, GE USA made with logo. Tested as used, D getter. Grey anode plate.	OB/WB	48.00 8 @ 42.00
ECC83	GE, Raytheon, Sylvania, Westinghouse. USA made NOS with logo. Tested and D or square getter.	Mostly OB	50.00
ECC83	Mullard style tube. Made by Shuguang factory in China. New clean/guaranteed.	WB	15.00
ECC83	JJ logo, made in Slovakia. In stock.	WB	20.00 8 @ 19.00
ECC83	JJ logo, made in Slovakia. Unused and look new, but emission is only 65-85 percent (not 100 percent), hence half price.	WB	10.00 10 @ POA
ECC83	Japan NOS tested, guaranteed. Mazda, Raytheon & Westinghouse. Sets of 2 pieces of the same appearance. Some are D getter.	OB/WB	14.00 8 @ 12.50
ECC83	Mullard, most have logo. UK manufacture. Ladder anode. Mullard 7 digit code. NOS, tested, guaranteed.	OB/WB	85.00
ECC83	Mullard logo, UK or Holland manufacture. Ladder anode. Mullard 7 digit code. NOS, tested, guaranteed.	OB/WB	82.00 8 @ 75.00
ECC83	Mullard UK manufacture. D or square getter. NOS sometimes in stock. Guide price GBP 300.	OB/WB	POA
ECC83	Mullard logo, UK. NOS. M8137. CV4004. Box anode.	OB/WB	140.00 4 @ 120.00
ECC83	Mullard UK manufacture. D or square getter. NOS. A few pieces in stock.	OB/WB	250.00 4 @ 200.00
ECC83	Mullard UK manufacture. Square support O getter. Long anode. NOS and tested. A few pieces in stock.	GBP	175.00 2 @ 165.00
ECC83	Psvane manufacture, Chinese. Guaranteed. Unused and clean.	WB	12.00 50 @ 11.60
ECC83	RCA logo, USA made NOS. 12AX7. D getter. Black anode. Few remaining.	Mostly OB	80.00
ECC83	RCA logo, USA made NOS. 12AX7. Ring getter. Grey anode.	Mostly OB	65.00
ECC83	RFT made in Germany at Mulhausen factory.	WB/OB	33.00

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BILLINGTON EXPORT LTD

TYPE	COMMENT	BOX	£ GBP PRICE each
	RFT "N" logo, NOS. Tested/guaranteed. Folded 1 piece anode gives low microphony.		
ECC83	Sovtek logo 12AX7WXT. New clean uniform guaranteed. These are unused and guaranteed but emission around 50-60 percent. We are told they are specifically designed that way to be better for guitar amplifiers.	WB	**7.00**
ECC83	Svetlana Russia "C logo"' version. Not later cheaper "S logo" style. Made in year 2000 - 2005. Silver anode.	WB	**45.00** **4 @ 40.00**
ECC83	Telefunken logo, West German with ◊ mark. NOS tested/guaranteed.	OB	**125.00** **8 @ 115.00**
ECC83	Tesla NOS. Vintage Czechoslovakia, 1970s or 1980s made. Not JJ. Tesla logo, clean, tested and guaranteed.	OB	**50.00** **4 @ POA**
ECC83	Tung-Sol Russia. New & guaranteed. Regret no discount of any kind including "over GBP 3,000 discount".	OB	**21.50** **100 @ 20.00**
ECC83	Tungsram Hungary NOS. Tested, guaranteed.	OB/WB	**30.00** **2 @ 28.00**
ECC83	Please refer to 5755 Western Electric USA made for low cost alternative, not equivalent. 5755 is very similar to ECC83, both are B9A base, but the pin out varies. We have several hundred 5755. Data ECC83: Vf=6,3V, If=300Ma, Va=250, Ik=1, S=1,6, Pa=2x1 Data 5755: Vf=6,3V, If=300Ma, Va=200, Ik=3, S=1,6, Pa=2x1		
ECC83	Please refer to **6F5GT** for possible alternative, not equivalent. 6F5GT is octal based and roughly equivalent to half an ECC83. Refer to data provided.		
ECC83	Equivalent to **5751**, **CV4004**, **12AX7WA**.		
ECC83 / 6EU8	Please refer to 6EU8 for possible alternative, not equivalent.		
ECC83 / 7058	4 pieces GE USA NOS and a few mixed USA. NOS. Low noise, low microphony. 7058 do not always have a centre tap (pin 9 on the tube) so will not always work as a plug in replacement for ECC83 in guitar amps where the tube heater supply is only 6.3V, but are a strong high-quality NOS ECC83.	Most OB	**40.00** **4 @ 35.00**
ECC83 / B339	GEC UK NOS. Guide price GBP300 wholesale.	OB/WB	**POA**
ECC83 **Grade One**	Amperex, Holland with Bugle Boy logo. Tested as Grade One with guarantee.	G1	**60.00**
ECC83 **Grade One**	Brimar logo, UK made. Square getter. They test 80 percent emission or more.	G1	**90.00**
ECC83 **Grade One**	Brimar logo, UK made. O getter. These are CV4004 / 12AX7 Brimar England ribbed plates 1960s made. They test at least 80 percent emissions. 2 different constructions.	G1	**40.00** **8 @ 37.50**
ECC83 **Grade One**	Mullard UK manufacture. D or square getter. Grade 1. A few pieces in stock.	G1	**140.00**
ECC83 **Grade One**	Mullard logo, UK/Holland. Ladder anode. Test minimum 80 percent emission. Many test near new but Grade One appearance with small stains in the glass.	G1	**47.50** **20 @ 44.00**
ECC83 **Grade One**	Mullard, logo, UK. NOS. Test as new, look almost new but the top getter has some black stains. Therefore sold at Grade One price. M8137. CV4004. Box anode. Mullard, 7 digit code in the glass.	WB	**115.00**
ECC83 **Grade One**	Raytheon, Sylvania etc. USA made with logo. Test as Grade One. D or square getter GBP40 wholesale. Circle getter GBP30 wholesale.	G1	**POA**
ECC83 **Grade One**	Raytheon logo, Japanese Grade One.	G1	**11.00**
ECC83 **Grade One**	Siemens Halske "S" logo, West German. The classic double support getter. Estimated 1960s made. Good print and surprisingly clean for a used tube. Most look almost new. They test nearly new but are sold as Grade 1 at 25 percent discount.	G1 box	**60.00** **12 @ 50.00**

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BILLINGTON EXPORT LTD

TYPE	COMMENT	BOX	£ GBP PRICE each
ECC83 **Grade One**	Siemens Halske “S” logo, West German. 1 piece triple mica, 1 piece long anode. Also 3 pieces that we think are Siemens made with MCP manufacture code, it is hard to read the code between the pins. Estimated 1950s/60s made. Good print, look almost new, test nearly new but are sold as Grade 1 at 25 percent discount.	G1 box	**175.00** **2 @ 170.00**
ECC83 **Grade One**	Svetlana Russia “C logo”' version. Not later cheaper “S logo” style. Made in year 2000 - 2005. Silver anode. Unused and look new but test around 80 percent emission.	WB	**35.00** **4 @ 32.00**
ECC83 **Grade One**	Sylvania, USA 1950s made. D getter. These are given fantastic reviews in audio websites. Super audio sound. Enquire re bulk quantity.	G1	**30.00**
ECC83 **Grade One**	Telefunken logo. Diamond between the pins <>. Tested emissions 80 percent minimum.	G1	**80.00** **4 @ 75.00** **8 @ 70.00**
ECC83 **Grade One**	Tung-Sol, USA NOS early 1950’s made. Special D getter otherwise known as horseshoe or stirrup getter. These are given fantastic reviews in audio websites. Super audio sound. Tested to Grade One.	G1	**30.00**
ECC83 USED	Amperex, Bugle Boy logo vintage. Holland manufacture with “ladder” anode. Clean, tested and 3 month guarantee. Tested used at 70 percent emission or more.	OB/WB	**40.00**
ECC83 USED	Brimar UK made. Tested working approx 65-75 percent emission. Square or **D getter** plate. Some have white Brimar T logo.	OB	**70.00** **8 @ POA**
ECC83 USED	Brimar logo, UK made. Used but tested 65 - 75 percent emission. Decent appearance, good print. O getter. Guaranteed. Excellent in phono stage, sound is detailed, smooth, warm and rich.	WB	**27.50** **25 @ 25.00**
ECC83 USED	Brimar logo, UK made. Used but decent appearance, good print. O getter. Guaranteed. Excellent in phono stage, sound is detailed, smooth, warm and rich. Used and test 50-60 percent emission. This is below normal “approved standard”, but still useful for many applications. Due to low emission, a bargain price. When available.	OB/WB	**POA**
ECC83 USED	Brimar logo, UK made. Tested around 65 or 75 percent emission. Used but decent appearance, good print. O getter. Guaranteed. Excellent in phono stage, sound is detailed, smooth, warm and rich. 4 pieces construction "A", 4 pieces construction "B”, 2 pieces construction "C". When available.	WB	**25.00** **4 @ 21.00** **16 @ 20.00**
ECC83 USED	GE, Raytheon Sylvania, **D getter**. Used tested. USA made. Larger quantities sometimes available.	WB	**21.00**
ECC83 USED	GE, Raytheon Sylvania, **O getter**. Used tested. USA made. Larger quantities sometimes available.	WB	**12.00**
ECC83 USED	EI made in Yugoslavia. Used, tested and guaranteed. 12AX7. Telefunken style smooth grey anode plate.	WB	**18.00**
ECC83 USED	EI made in Yugoslavia. Used, tested and guaranteed. 12AX7. Silver anode plate.	WB	**14.00**
ECC83 USED	Japan used, tested, guaranteed. Mazda, Raytheon & Westinghouse. Sets of 2 pieces of the same appearance. Used tested over 60 percent emission. Test at 1.0 MA/V, or more where 100 percent is 1.6ma/v.	WB	**7.00** **20 @ 5.50**
ECC83 USED	Mullard logo. UK made with guarantee. These test at 40 to 60 percent emission. Normal pass mark is 65 percent. Due to low emission, these are 4 times cheaper than NOS.	WB	**21.00**
ECC83 USED	Mullard logo box anode CV4004 or long anode used. These test around 50 or 60 percent emission. This is below normal pass mark, but still useful for many purposes. Decent appearance, good print, guaranteed. 4 are box anode CV4004, M8137. 4 are long anode Mullard UK.	WB	**50.00** **4 @ 45.00** **8 @ 40.00**
ECC83 USED	Mullard, logo, UK with box anode. CV4004 M8137 style. Used not new but tested. Guaranteed.	OB/WB	**60.00**

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TYPE	COMMENT	BOX	£ GBP PRICE each
ECC83 USED	Mullard, logo, UK or Holland. D or square getter. Used not new but tested. Guaranteed. Guide price GBP200.	OB/WB	**POA**
ECC83 USED	Mullard, logo, UK ECC83 with **norma**l ladder anode. O getter. Used not new appearance with some stains in the glass but decent appearance. Tested and guaranteed. Mullard, 7 digit code. Supplied in sets of 2 pieces identical appearance.	BB	**36.00** **20 @ 28.00**
ECC83 USED	Mullard UK manufacture. Square support O getter. Long anode. Used, tested. A few pieces in stock.	GBP	**100.00** **2 @ 95.00**
ECC83 USED or Grade One	RCA logo, USA made NOS. 12AX7. D getter. Black anode. Used or grade 1, test between 60-90 percent of NOS book test reading.	OB/WB	**32.50** **8 @ 27.50**
ECC83 USED	RCA logo, USA made NOS. 12AX7. O or D getter. Most black anode. Used & test outside usual test parameters (between 50-60 percent of NOS). They are still useful for repairs etc.	OB/WB	**20.00** **16 @ 15.00**
ECC83 USED	RCA logo, USA made 12AX7. Used not new and some light stains in the glass. Tests approximately 65-75 percent gm. Square getter. Most are grey anode.	WB	**30.00** **8 @ 25.00** **12 @ POA**
ECC83 USED	RCA logo, USA made 12AX7. Used not new and some light stains in the glass. Tests approximately 65-75 percent gm. O getter.	WB	**25.00** **12 @ 20.00**
ECC83 USED	RFT East German.	WB	**16.00**
ECC83 USED	RFT Mulhausen. Used, tested guaranteed. Folded 1 piece anode gives low microphony.	WB/OB	**12.00**
ECC83 USED	Svetlana Russia “C logo”' version. Not later cheaper “S logo” style. Made in year 2000 - 2005. Silver anode. Unused and look new, but test around 65 percent emission.	WB	**22.00** **4 @ 20.00**
ECC83 USED	Telefunken logo. Diamond between the pins <>.	G1	**60.00** **8 @ 50.00**
ECC83 USED	Telefunken logo, West German with <> mark. Some smooth anode, some ladder anode. Used not new appearance, but guaranteed. Good print. Tested around 65-75 percent emission approximate.	WB	**52.50** **8 @ 47.50**
ECC83 USED	Telefunken **low emission**. These test around 50 or 60 percent emission. This is below normal pass mark, but useful for some purposes. West German with diamond mark, logo and <>. Some smooth anode, some ladder anode. Decent appearance, good print, guaranteed.	WB	**30.00**
ECC83 USED	Tesla logo vintage Czechoslovakian. Estimated 1960s manufacture. Good print. Used, clean, tested and guaranteed.	OB	**25.00** **4 @ 22.50**
ECC83 USED	Tungsram Hungary made in 1960s or 1970s with yellow print. 8 pieces look the same. Decent appearance but test somewhat lower (emission 65 or 75 percent). Many people say these make a great low cost alternative to Mullard, UK/RCA USA.	WB	**16.00** **8 @ 14.00**
ECC83 USED	USA. Raytheon, Sylvania etc. With logo. With guarantee. These test at 40 per cent to 60 percent emission. Normal pass mark is 65 percent. Due to low emission, these are 4 times cheaper than NOS.	WB	**9.00** **25 @ 7.00**
ECC83 USED	USA. RCA logo. With guarantee. These test at 40 - 60 percent emission. Normal pass mark is 65 percent. Due to low emission, these are 4 times cheaper than NOS.	WB	**15.00** **15 @ 12.00**
ECC83 / CV4035	Brimar logo, UK NOS. Wire ended ECC83, these are CV4035.	GVT	**50.00**
ECC84	Adzam logo, West European made. NOS. Adzam was part of Mazda West Europe. Audio B9A double triode. Data in our pdf catalogue.	OB	**5.50** **4 @ 4.80** **300 @ 4.00**
ECC84	Mullard logo, UK NOS. Audio B9A double triode. Photo/data http://www.r-type.org/exhib/aaa1325.htm Data http://www.shinjo.info/frank/sheetsE1.html Data: Vf=6,3V, If=330ma, Va=90V, Ik=22ma, S=6V, Pa=2x2W.	OB	**6.50** **4 @ 5.80** **100 @ 4.50** **More POA**
ECC84	RFT German. NOS and guaranteed. Double triode, low noise and	OB	**3.00**

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TYPE	COMMENT	BOX	£ GBP PRICE each
	good for audio. Data http://frank.pocnet.net/vademecum2.html Near offers welcome for orders over 100 pieces.		8 @ 2.00 300 @ 1.75
ECC84	Telefunken logo, West German. UK NOS. With diamond<>.	OB	12.00 8 @ 10.00
ECC85	East European. New tested guaranteed. Mixed brands RFT, Tungsram, other.	WB	10.50
ECC85	East German NOS. Tested, guaranteed. RFT made, many have logo.	OB/WB	12.00
ECC85	Mullard, UK or Holland NOS.	Most OB	20.00 4 @ 16.00
ECC85	Siemens Valvo West German NOS. Tested, guaranteed. Not <>.	OB/WB	10.50 4 @ 8.25
ECC85	Telefunken <> tested. NOS. TFK logo West German <>.	OB	30.00 4 @ POA
ECC85	Tungsram Hungary NOS. Tested, guaranteed. Not <>.	OB/WB	10.50 4 @ 8.25
ECC85	NOS Japan tested guaranteed most are Matsushita.	OB/WB	12.50 20 @ 11.00
ECC85	USA made NOS. Sylvania / other brands. Tested, guaranteed. Many have logo.	OB/WB	12.50
ECC85 Grade One	Mullard, UK/ Holland. Tested as grade one. Usually in stock.	G1	12.00
ECC85 Grade One	Telefunken logo <>. Used but clean appearance and good print. Tests at least 80 percent emission.	G1	30.00 4 @ 27.50
ECC85 USED	East European. RFT, Tungsram and other brands. Used, not new appearance tested, guaranteed.	WB	6.00 20 @ 5.00
ECC85 USED	Japan tested guaranteed mostly Matsushita.	WB	8.00 12 @ POA
ECC85 USED	Made in USA or West Europe. Westinghouse, Brimar, Mazda and others. In sets of 2 pieces identical. Used, tested.	WB	7.00 20 @ 5.00
ECC85 USED	Mullard, logo, UK/ Holland. Not new appearance, but tested as used, 65-75 percent emission.	WB	10.00
ECC85 USED	Telefunken <> test around 50 percent emission. Usually a small quantity in stock.	WB	10.00 8 @ 9.00
ECC85 USED	Telefunken <> test around 65- 75 percent emission. Usually a small quantity in stock.	WB	20.00
ECC85 USED	West European made Brimar Mazda and others. Triple mica. Used, not new appearance. Tested working and guaranteed.	WB	25.00
ECC85	Please try **6DT8** alternative, not equivalent item.		
ECC86	Philips, Amperex and other West European. GE & other USA. NOS.	Most OB	12.00 4 @ 11.00
ECC86	Telefunken logo <> NOS. Audio double triode. In sealed cellophane wrapper and OB. Sealed cellophane can be opened for test, on request.	OB	35.00 4 @ 30.00 16 @ 25.00
ECC88 / 6DJ8	These are 6DJ8 ECG Philips logo. USA NOS. 24 pieces look the same. Matched pairs may be possible. Very attractive appearance.	GB	25.00
ECC88 / 6DJ8	These are 6DJ8 Sylvania logo. USA NOS. Sets of 8 pieces that look the same.	OB/WB	20.00 24 @ 16.00
ECC88 / CV4111	These are CV4111 wire ended / flying leads. Mullard NOS UK made. CV4111 is equivalent to ECC88 except the flying lead base.	Most OB	33.00 8 @ 31.00
ECC88	Amperex Bugle Boy logo NOS. Vintage Holland made.	WB	33.50 8 @ 31.50
ECC88	BILLINGTON GOLD. Your choice of Chinese or Slovakia. Guaranteed. New, tested.	OB	17.50
ECC88	Brimar logo UK, NOS. Musical and rich sounding, these are the perfect complement for any preamp/driver stage using 6DJ8 or	OB	25.00

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TYPE	COMMENT	BOX	£ GBP PRICE each
	6922. Few pieces only.		
ECC88	Chinese. Tested, guarantee, NOS. At most, 20 pieces might be available.	WB	**12.00** **12 @ 10.00**
ECC88	EI Yugoslavian made. “A frame" construction. Maybe printed E88CC penta. NOS. guaranteed.	WB	**15.00**
ECC88	GE USA NOS. **Black glass** version. NOS clean tested guaranteed.	OB	**27.00**
ECC88	Japanese NOS. Tested good quality. 4 Mazda, 8 Westinghouse, 4 Raytheon.	Most OB	**18.00** **16 @ 16.00**
ECC88	JJ logo by Tesla, Slovakia. NOS. Gold pin. Printed E88CC. Tested and guaranteed.	OB	**30.00** **16 @ POA**
ECC88	Mullard logo NOS UK.	Most OB	**33.00** **8 @ 31.00**
ECC88	Mullard logo NOS Holland.	Most OB	**27.50** **8 @ 25.00**
ECC88	Mullard logo NOS UK. We are uncertain if made in West Europe or Made in Yugoslavia. “A frame” construction” and parasol getter.	WB	**20.00** **8 @ 17.50**
ECC88	USA NOS. GE, Raytheon, RCA, Sylvania & Westinghouse. 4 pieces of each brand.	Most OB	**20.00** **20 @ 16.00**
ECC88	Russian NOS. Believed to be 6N23P / 6H23П Voskhod or Reflector factory, but printed only as “ECC88 Russian”.	WB	**7.50** **30 @ 6.50**
ECC88	Siemens West German not <> but great quality. 1970’s made. Low noise, low microphony. Plenty of bass definition and a sweet mid band. Excellent in phono stages. Tested and guaranteed. When available.	OB/WB	**POA**
ECC88	Telefunken logo West Germany. NOS. With <> mark, when available.	OB	**75.00**
ECC88	Tesla logo, grey pin. 1970’s made in Czechoslovakia. Plenty of bass definition and a sweet mid band. Excellent in phono stages NOS and guaranteed.	OB/WB	**28.00** **8 @ 25.00**
ECC88	Please refer to 6BQ7A, NOS. Good quality Japanese, in stock.		
ECC88 **Grade One**	Amperex, Holland with Bugle Boy logo. Tested as Grade One, with guarantee.	G1	**25.00**
ECC88 **Grade One**	Brimar logo UK. Test as Grade One. Musical and rich sounding, these are the perfect complement for any preamp/driver stage using 6DJ8 or 6922.x 25	G1	**11.00**
ECC88 **Grade One**	Mullard, UK/Holland with logo. Grade One tested and guaranteed.	G1	**20.00** **20 @ 16.00**
ECC88 **Grade One**	Japanese made Raytheon. Tested and guaranteed, with logo. Mostly unused appearance but some are unbalanced anodes, some test only 80 percent emission. (NOS perfect would test at 100 percent). Still suitable for many applications.	G1	**10.00**
ECC88 USED	Amperex, Holland with Bugle Boy logo. Used but tested working with guarantee.	G1	**17.00** **4 @ 16.00** **12 @ 15.00**
ECC88 USED	Brimar logo UK. Test as used, guaranteed. Musical and rich sounding, these are the perfect complement for any preamp/driver stage using 6DJ8 or 6922.	WB	**12.00**
ECC88 USED	Fivre logo made in Italy. Musical and rich sounding. Used, tested and guaranteed. Sold out, please contact us.	WB	**POA**
ECC88 USED	GE USA NOS. Normal version. Used clean tested guaranteed.	WB	**7.00**
ECC88 USED	Japanese. Mazda logo. Used, tested good quality. Decent appearance.	WB	**9.00** **20 @ 7.50**
ECC88 USED	Mullard logo UK/Holland. Used, not new appearance but tested and guaranteed.	BB	**16.00** **12 @ 14.00** **30 @ POA**
ECC88 USED	Siemens West German not <> but great quality. 1970’s made. Used not new appearance but look good. Tested & guaranteed.	OB/WB	**15.00** **4 @ 10.00**

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TYPE	COMMENT	BOX	£ GBP PRICE each
	Low noise, low microphony. Plenty of bass definition and a sweet mid band. Excellent in phono stage.		**16 @ 9.00**
ECC88 USED	Sylvania, USA. Used, tested with logo and guarantee. Good bass definition and a sweet mid band. Excellent in phono stages. Sets of 4 pieces identical.	Most OB	**10.00** **16 @ 8.00**
ECC88 USED	Tungsram Hungary. Look new, but test used (2 anodes are not balanced). Natural sounding, extended top end, tight bass sound. Very good tonal balance and clarity. All look identical, tested guaranteed.	WB	**13.00**
ECC88	Please refer to **6350, possible alternative.** Adapters can be found on the Internet to convert 6350 into 6SN7, ECC88, etc.		
ECC89 **Grade One**	Mullard logo UK Grade 1. Audio double triode, similar to ECC88 but different pin out. 1 half of ECC89 is variable mu. They suit automatic gain control, eg in studio compressors. Equivalent to 6FC7. Test as Grade 1.	G1	**6.00** **11 @ 5.00**
ECC89	Tronal East European made NOS.	OB	**6.00** **32 @ 5.00**
ECC91 / 6J6 / WA	Westinghouse, Sylvania, Raytheon. USA NOS. Data below. At this price they are NOS, guaranteed but untested. Print may vary, some are egg crate / bulk pack.	OB/WB/BP	**2.40** **20 @ 2.00** **300 @ 1.40**
ECC91 / CV4031 / 6J6	Mullard, UK with logo. NOS. Audio double triode. Possible alternative to ECC81, but not equivalent. ECC81 has B9A base, ECC91 has B7G base, and there is also a common cathode. Equivalent to 6J6 and 6101. Data http://tubedata.itchurch.org/sheetsE.html	GVT	**3.00** **100 @ 2.70** **300 @ 2.50**
ECC91 / CV4031 / 6J6	Mullard, UK. Audio double triode. Genuine military print, but no logo. NOS. Possible alternative to ECC81, but not equivalent. ECC81 has B9A base, ECC91 has B7G base, and there is also a common cathode. Equivalent to 6J6 and 6101.	GVT	**2.75** **100 @ 2.40** **500 @ 2.00**
ECC91	Please refer to **6J6** for an exact equivalent.		
ECC99	JJ NOS gold pin. Very similar to 12BH7 and is interchangeable in some situations. Suits Transcendent Sound amps. Similarities to 6N6P, E182CC.	OB	**23.00** **4 @ 22.00**
ECC189	Mullard UK NOS x 10. Siemens NOS x 6.	Most OB	**12.00** **10 @ 11.00**
ECC189	Sylvania and other USA NOS.	**OB**	**6.00** **10 @ 5.00**
ECC189	Toshiba and other Japan, NOS. Audio type.	OB/ WB	**8.00** **6 @ 7.50**
ECC189	Tungsram and other East Euro. NOS Possible audio type.	OB/ WB	**6.00** **50 @ 4.50**
ECC189	Mullard, logo UK NOS. Audio type.	OB/GB	**12.00** **10 @ 11.00**
ECC801S	BILLINGTON GOLD. Chinese made, **gold pin**. With guarantee. NOS. Clean and tested to a special standard. Great audio quality. Pre amp tube, replaces any 12AT7/E81CC type.	OB	**10.00** **50 @ 8.00**
ECC801S	Mullard logo UK NOS with gold pin tested, guaranteed. Low noise, low microphony. Double suture anode construction.	Most OB	**POA**
ECC801S	Siemens, NOS. Long life 20,000 hour version. Falcon logo. Bundeswehr BWB version. Siemens Munich. Copper grid posts.	OB	**POA**
ECC801S	Telefunken logo NOS. West Germany. With diamond "◊" between pins. NOS, tested and guaranteed.	OB	**200.00** **2 @ 190.00**
ECC801S **Grade One**	Telefunken logo, Grade 1. West Germany. With diamond "◊" between pins. NOS, tested and guaranteed.	G1	**150.00** **2 @ 140.00**
ECC801S USED	Mullard logo, UK with gold pin printed ECC801S. Used, decent appearance, tested, guaranteed. Low noise, low microphony. Double suture anode construction.	WB	**POA**

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ECC801S USED	Telefunken logo, West German. Used. Tested with ◊ mark.	WB	**POA**
ECC801S / 13D9	**SOLD. Please ask Martin for more details.** These are 13D9 Brimar logo UK made, NOS, black anode. Similar to ECC81 / ECC801S. Many consider the higher anode current to be an advantage. Same pin out as ECC81.	Most OB	**POA**
ECC802S	Tesla logo, vintage Czechoslovakia. 1970s.	OB	**25.00**
ECC802S	Telefunken logo,◊ mark. When available.	OB	**POA**
ECC803S	JJ logo, recently made. New, grey pin tested guaranteed.	OB	**15.00**
ECC803S	China. Gold pin, new, clean, tested and guaranteed small quantity.	OB	**16.00**
ECC803S	Shuang made in China. Gold pin, new, clean, tested and guaranteed small quantity. Look great!	OB/WB	**28.00** **16 @ 24.00**
ECC803S	Tesla logo, vintage made, not JJ. When available.	OB/WB	**POA**
ECC804 USED	Mazda logo UK. Used, tested working over 60 percent emission. Audio double triode.	WB	**6.00** **30 @ 4.80**
ECC807	Brimar logo UK NOS. Very rare item. These look new but test as used eg 65 percent emission, so they are sold at used price. 1 or 2 only.	OB/WB	**125.00**
ECC807 Grade One	Brimar logo UK. Tested as Grade One. Small stains in the glass.	G1	**65.00**
ECC807 USED	Brimar logo UK. Used, tested, clean. Very rare.	WB	**60.00**
ECC808	Mazda Belvu logo, made in France NOS. ECC808 has the same characteristics as ECC83, but with a different pin-out.	OB	**44.00** **6 @ 37.00**
ECC808	Telefunken logo, West German. Diamond between pins <>. NOS, tested. Very clean appearance.	OB	**51.00** **6 @ 49.00**
ECC808 USED	**ECC808 Used.** Telefunken logo, West German. Diamond between pins <>. Test as used but very clean appearance.	OB/WB	**21.00** **10 @ 19.00**
ECC8100	Telefunken logo and diamond "◊" mark. NOS. Gold pins. Similar to ECC81, not equivalent. Data available.	OB	**25.00** **2 @ 22.00**
ECC2000	Mullard, logo UK NOS. Audio triode, gold pin. For data http://www.tubedata.info/ if you have difficulty finding data, please contact our office. We are glad to help customer with data enquires. Please allow 2 working days for replies about data.	Mot OB	**11.00** **32 @ 8.50**
ECF12	Believed Telefunken or Siemens, West German manufacture but National brand and box.	OB	**20.00**
ECF80	Brimar logo UK NOS.	OB/WB	**9.00** **200 @ 7.00**
ECF80	Brimar logo East European NOS.	OB/WB	**5.00** **100 @ 4.00**
ECF80	Japan NOS, includes Mazda and Westinghouse.	OB/WB	**4.00** **200 @ 3.75**
ECF80	Mullard, logo NOS. West Europe made, audio triode pentode. Data Vf=6.3V, If=430ma, Va=250V, Ik=14ma, S=6.2Ma/V, Pa=1.7W, or http://tubedata.itchurch.org/sheetsE1.html	Most OB	**10.00** **10 @ 6.25** **100 @ 5.50**
ECF80	Telefunken logo, West German. NOS. Diamond between pins <>.	Most OB	**33.00** **6 @ 30.00**
ECF80	UK/USA NOS. Good quantities in stock. Please enquire.	Most OB	**POA**
ECF80	USA NOS, with logo: RCA, Sylvania, Westinghouse.	OB	**4.50** **6 @ 4.00**
ECF80	Yugoslavian made. Includes Siemens. NOS.	OB	**5.00** **180 @ 4.00**
ECF80	50 x Sovtek original box, 200 Tungsram Hungary. 50 mixed USSR. All NOS. Deduct 25p if you accept them without a box.	OB/WB	**4.50** **200 @ 4.00**
ECF80	West Europe, Mazda logo or Brimar logo. NOS. 30 pieces.	OB/WB	**9.00** **30 @ 7.00**
ECF80 USED	Mullard logo UK / Holland.	WB	**5.00**

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TYPE	COMMENT	BOX	£ GBP PRICE each
	Used and test 65-75 percent emission.		20 @ 3.00
ECF80	Please refer to **E80CF**		
ECF80 / E80CF	E80CF Westinghouse USA grey pin. E80CF is near equivalent to ECF80	OB	7.50
ECF82 / 6U8A	Brimar logo UK NOS.	Most OB	7.50 50 @ 5.60
ECF82 / 6U8A	Mullard logo UK. NOS. Few only.	Most OB	8.00 10 @ 5.50
ECF82 / 6U8A	Tungsram made in Hungary with "international" logo & international box. NOS. Useful audio tube. Data on request. **This tube replaces 7199 by fitting an adapter.** We can advise you suppliers of adapters.	OB	5.50 10 @ 5.00 100 @ 4.00
ECF82 / 6U8A	10 or 20 each of the following brands: GE, ECG Philips, Sylvania, Raytheon, RCA, Westinghouse.	OB	5.50 10 @ 5.00 100 @ 4.00
ECF82 / 6U8A USED	Mullard logo, used and tested.	WB	7.50 20 @ 5.00
ECF82 / 6U8A USED	Most are USA made Westinghouse, Sylvania, RCA & GE. A few Japanese (Raytheon etc), a few UK Mullards & Brimar. Some are tested, most are not. Some look new/mixed appearance but sample testing gave good results. Print style varies from valve to valve. Some have 100 percent print. Some have no print. Bargain price.		100 @ 1.00 300 @ 0.80
ECF82	Refer to **6U8A** and **6AU8A** USA made, low price, near equivalent.		
ECF86 / 6GH8	Audio triode pentode. Telefunken logo, West German with diamond mark <>. NOS NIB, in original sealed cellophane and original boxes. For data http://www.tubedata.info/ if you have difficulty finding data, please contact our office. We are glad to help customer with data enquires. Please allow 2 working days for replies about data.	OB/WB	7.00 4 @ 4.00 200 @ 3.20
ECF86 / 6GH8	Audio triode pentode. Philips logo West European made, NOS NIB. For data http://www.tubedata.info/ if you have difficulty finding data, please contact our office. We are glad to help customer with data enquires. Please allow 2 working days for replies about data.	OB	3.00 10 @ 2.20 200 @ 1.80
ECF201	Philips logo. Holland NOS. Equivalent to 6U9. B9A base Triode-Pentode, the triode section has audio applications. For data http://www.tubedata.info/ if you have difficulty finding data, please contact our office. We are glad to help customer with data enquires. Please allow 2 working days for replies about data.	Most OB	2.50 40 @ 2.00
ECF802	Ei Yugoslavia NOS.	OB/WB	3.00 10 @ 2.50 90 @ 2.00
ECF802	Telefunken logo, West German. NOS. Diamond between pins <>. Plus other West European NOS.	Most OB	7.00 20 @ 6.00
ECF803	Audio tube. Telefunken logo, West German with diamond mark <>. NOS NIB. Data: http://www.tubedata.info/ if you have difficulty please contact our office.	OB	10.00 10 @ 8.00
ECF804	Brimar logo NOS. Audio triode pentode. Photo/data: http://www.r-type.org/exhib/abo0121.htm	OB/WB	3.20 200 @ 2.50
ECF804	UK/USA NOS. Good quantities in stock. Please enquire.	Most OB	POA
ECH4	Philips Holland red metal. ST shape. NOS, with logo.	WB/OB	17.00 10 @ 13.00
ECH11	5 x Telefunken, 5 x Valvo. West German, NOS, with logo.	Most GB	20.00 10 @ 15.00
ECH11 Grade One	Telefunken / Valvo. New but store soiled. Tested as Grade One. Antique German radio valve.	G1	14.00 10 @ 11.00
ECH3	Mullard Holland red metal. ST shape. NOS, with logo.	WB/OB	12.00

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TYPE	COMMENT	BOX	£ GBP PRICE each
	Data/photo www.r-type.org/exhib/aai0529.htm Sockets to fit these are in stock (ref 8SC).		100 @ 10.00 300 @ POA
ECH35	Mullard, UK NOS. 50 pieces Gold painted ST shape, printed 'ARTH2'. 50 pieces grey GT shape.	GVT/WB	4.00 50 @ 3.20
ECH42	Philips logo. NOS Holland. Mesh anode.	WB	3.40 100 @ 2.75
ECH42	West European brands	OB/WB	3.50
ECH81	50 Brimar logo & 50 Westinghouse logo. Country of manufacture TBA. NOS, tested, guaranteed.	OB/WB	6.00 10 @ 5.50 100 @ 5.00
ECH81	Chinese. New tested clean guaranteed. Data www.r-type.org/exhib/aaq0125.htm	WB	3.25
ECH81	Mullard logo, West European, NOS. Fits certain audio equipment.	OB	6.50 10 @ 6.00
ECH81	Raytheon logo, NOS. Russian made. Clean guaranteed. Data www.r-type.org/exhib/aaq0125.htm	WB	4.00 10 @ 2.80 200 @ 2.40
ECH84	Mullard / Mazda West European NOS. Photo/data wwwhttp://www.r-type.org/exhib/aaa0843.htm	OB/WB	4.20 30 @ 2.50 100 @ 2.75
ECL80	125 Mullard, 125 Mazda & 250 Philips. West European made. NOS, with logo. Fits certain audio equipment. Data http://tubedata.itchurch.org/sheetsE1.html	OB	5.00 4 @ 4.50 500 @ 3.50
ECL82	BILLINGTON GOLD, made in Japan. With guarantee. Please refer to page 6 for full details.	OB	13.00
ECL82	Brimar logo, or Mazda logo. NOS made in West Europe.	Most OB	25.00 8 @ 20.00 16 @ 18.00
ECL82	Japanese. NOS, guaranteed. Toshiba made but unbranded in bulk pack egg trays of 100.	BP	12.00 10 @ 1.50 100 @ 9.00 300+ @ 7.00
ECL82	Mazda logo Japanese. NOS tested guaranteed.	Most OB	13.00 10 @ 12.50 100 @ 10.00
ECL82	Mullard, UK/Holland NOS.	WB	20.00 10 @ 18.00 25 @ POA
ECL82	Raytheon logo, Japanese. NOS tested guaranteed.	Most OB	13.00 10 @ 12.50 100 @ 10.00
ECL82	Russian/East Europe. NOS. With guarantee.	WB	12.00 10 @ 10.00
ECL82	USA made. NOS. Sets of 2 pieces of the same brand and same appearance. Tested, guaranteed. 4 x RCA, 4 x Sylvania, 4 x Westinghouse.	OB/WB	16.00 4 @ 15.00 12 @ 14.00
ECL82 Grade One	Mullard, test as grade one. Decent appearance, not new appearance. UK/Holland.	OB/WB	16.00
ECL82 Grade One	Raytheon logo Japanese. Tested Grade 1 guaranteed.	G1	9.75 10 @ 9.00
ECL82 USED	Mazda logo Japanese. Used tested guaranteed.	WB	6.50 10 @ 6.00
ECL82 USED	Mullard with logo. Used not new. Tested with guarantee. UK, Holland or other West European brands.	WB	12.00 4 @ 10.00
ECL82 USED	Westinghouse USA, MAZDA or Brimar West Europe, with logo. Used not new. Tested with guarantee.	WB	7.00 20 @ 5.00

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TYPE	COMMENT	BOX	£ GBP PRICE each
ECL82	Try **UCL82** for low cost possible alternative, not equivalent [different heater voltage].		
ECL83	Mullard, logo. UK NOS. Alternatively refer to UCL83 partly similar with different heater voltage.	OB/WB	**12.00**
ECL83 USED	Mullard, UK. Used, test 65 percent emission and guarantee.	WB	**5.00** **10 @ 4.00**
ECL84	Mullard, logo UK NOS 6DX8 / ECL84. Audio pre-amp tube. Data http://scottbecketr.net/tube/sheets/010/e/ECL84.pdf	OB	**4.50** **50 @ 3.50**
ECL85 / 6GV8	100 Russian, 100 Tungsram Hungary, 100 Japan. NOS. An audio type. Equivalent to ECL805. These are bulk pack, egg crate. Add 25p if white box & label required. Data http://frank.pocnet.net/sheetsE2.html	BP	**4.50** **100 @ 2.50** **300 @ 2.00**
ECL86	Mullard, logo UK NOS.	OB	**50.00**
ECL86	Everything except Mullard. New, tested guaranteed. Very mixed. 12 only, spread over 6 or 7 brands. East European, Japan, USA. Matched pairs not possible regretfully. 2 pieces of same appearance might exist.	OB/WB	**28.00**
ECL86	Very mixed. 12 only, spread over 6 or 7 brands. East European, Japan, USA. Matched pairs not possible regretfully. 2 pieces of same appearance might exist	OB	**28.00**
ECL86	Zaerix logo. NOS, tested. Believed to be made by Tungsram in Hungary. All the same appearance.	OB	**28.00**
ECL86 USED	Mullard, logo UK. Used tested.	WB	**25.00** **8 @ 20.00**
ECL86 USED	Everything except Mullard. Tested guaranteed. Very mixed. 8 only, spread over 5 brands. East European, Japan, USA. Matched pairs not possible. 2 pieces of same appearance might exist.	OB/WB	**14.00**
ECL200	Telefunken logo, West Germany. NOS. 10 pin audio triode/pentode.	OB	**8.50**
ECL805	Russian, Tungsram Hungary, Japan. 20 of this, 30 of that. NOS. An audio type. These are bulk pack, egg crate. Add 25p if white box & label required. Data http://frank.pocnet.net/sheetsE2.html	BP	**4.50** **100 @ 2.50**
ECLL800	Mix. West European made NOS. Few only.	OB	**35.00**
EE160AL	Matchlett USA. NOS. 5 pieces in stock.	WB	**Offers**
EF6	Mullard / Philips NOS. Red coated.	OB	**35.00**
EF11	Mullard, and Philips NOS. If you buy the tube a socket is free.	OB/WB	**15.00** **5 @ 12.50**
EF12 / EF804	East German by RFT, etc. NOS, tested and guarantee. Data: Vf=6.3V, If=240ma, Va=250V, Ik=3ma, S=2.1Ma/V, Pa=1.5W. You can buy adaptor's to convert EF12 to EF804, please enquire. Approximately GBP35.00 wholesale if available.	OB/WB	**POA**
EF13	Made in East Germany by RFT, etc. NOS, Suits Neuman condenser microphone, U47, etc. 1 only.	OB/WB	**55.00**
EF13	Made in West Germany. 1 x Valvo, 1Q x Telefunken. NOS, suits Neuman condenser microphone, U47, etc. Sockets sent as free gift with each EF14. 1 only.	OB/WB	**105.00**
EF14	Made in East German by RFT, etc. NOS, Suits Neuman condenser microphone, U47, etc. Sockets sent as free gift with each EF14.	OB/WB	**70.00**
EF14	Please refer to 6028 for possible alternative (not equivalent). EF14 is small and will fit inside a microphone. EF14 data: Vf=6.3V, If=470Ma, Va=250V, Ik=12Ma, S=7Ma/V, Pa=5W 6028 data: Vf=20V, If=50Ma, Va=120V, Ik=9Ma, S=5Ma/V, Pa=1.7W More data for both www.tubedata.org		
EF22	Mullard, UK NOS CV303. Near equivalent to EF39 and EF92 but has different base. A metal loctal based remote cut-off audio	GVT	**3.20** **10 @ 2.00**

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BILLINGTON EXPORT LTD

TYPE	COMMENT	BOX	£ GBP PRICE each
	pentode tube. Suitable for audio compressors and Murphy B40 receiver. New, unused, guaranteed. But the metal can has small scratches due to long-time storage. **Half price, due to imperfect appearance.** For data http://www.tubedata.info/ if you have difficulty finding data, please contact our office. We are glad to help customer with data enquires. Please allow 2 working days for replies about data.		**100 @ 1.20** **500 @ 1.00**
EF22 **Grade One**	Mullard, UK [CV303]. A potential audio type. Data: Vf = 6.3V, If = 200 Ma, Va = 250V, Ik = 10Ma, s = 2.2 Ma/V. Sockets in stock. These items are **unused** with guarantee. **Store soiled appearance.** NOS price is GBP 5.55 each.	GVT	**3.20** **10 @ 2.00** **100 @ 1.20** **500 @ 1.00**
EF36	Mullard UK NOS. Grey metal, shoulder shape.	GVT	**21.00**
EF36	Exact equivalent to **EF37A**.		
EF36 **Grade One**	Mullard, UK made CV1056. Near equivalent to EF37, 6J7G. Grey metal, shoulder shape. These items test as NOS, unused with guarantee. They are store soiled as shown in our eBay photos, they may have flaking paint or small cracks in the base. The physical imperfections do not affect the audio performance.	GVT	**10.00** **8 @ 8.00** **50 @ 7.00**
EF37	Refer to **EF37A** for better quality, lower noise version.		
EF37	All UK made unless stated. All tested & guaranteed. All will plug in to replace 6J7G audio pentode. NOS unless marked as grade 1.		
EF37 / EF36 **USED**	Mullard, UK EF36, NOS. These EF36 are near equivalent to EF37. Tests as used. Guaranteed.	WB	**5.00** **50 @ POA**
EF37A / 5A-157D	These are NOS 5A-157D specials high quality equivalent to EF37A made by STC/ITT UK. 50 pieces all look the same.	OB/WB	**17.50** **6 @ 12.50** **50 @ 12.00**
EF37A	Mullard UK, **red** metal, **shoulder** shape. NOS.	GB	**34.00**
EF37A	Mullard UK, **red** metal, **straight** sides, NOS.	GB	**28.00**
EF37A	Mullard UK, **grey** metal. GT or shoulder shape. NOS.	OB/WB	**15.00** **10 @ 14.00**
EF37A	Rogers Canada made. Black coated straight sides. NOS.	GB/WB	**15.00** **10 @ 13.00**
EF37A **Grade One**	All UK made unless stated. All tested & guaranteed. All will plug in to replace 6J7G audio pentode.		
EF37A **Grade One**	All STC/ ITT UK made. STC logo, ITT logo, or STC made with military print. Test near new, don't look new but decent. Grey metal, straight shape. Guaranteed. Bargain price. Sets of 4 pieces of the same print and appearance.	G1	**11.00** **10 @10.00** **50 @ 8.00**
EF37A **Grade One**	Mullard UK. **Red** metal **GT** shape.	G1	**21.00** **12 @ 16.50** **100 @ POA**
EF37A **Grade One**	Mullard. **Red** metal. **Shoulder** shape.	G1	**16.00** **20 @ 13.00**
EF37A **Grade One**	Mullard logo. **Grey** metal. **GT** shape.	G1	**11.00** **36 @ 8.00**
EF37A USED	Mullard UK/Holland. Red metal with logo. ST shape. Used not new but tested and guarantee.	WB	**12.00** **10 @ 9.00**
EF37A USED	Mullard UK, grey metal, GT shape. Used tested.	WB	**6.50**
EF39	Hytron logo, USA. NOS. **Brass** colour metallizing, **straight** (GT) sides. Some are printed VR53.	OB/WB	**5.00** **20 @ 4.00**
EF39	RTC / Mullard logo, NOS. France/Holland. **Red** metal **shoulder shape**. Audio type.	OB/WB	**20.00** **20 @ 16.00**
EF39	Mullard logo, NOS. UK/Holland. **Red** metal with **straight** [GT] sides. Audio type.	WB	**8.00** **10 @ 6.00**
EF39	Mullard logo, UK NOS. **Grey** metal with **straight** (GT) sides.	GB	**5.00** **50 @ 4.00**

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TYPE	COMMENT	BOX	£ GBP PRICE each
EF39	Mullard logo, UK NOS. **Grey** metal with **shoulder** shape.	GB	**8.00** **10 @ POA**
EF40	Philips / Mullard, UK/Holland. Similar to EF86 but EF86 has a B9A base, EF40 has a rimlock base. **Socket ref SOC 89SKS from stock fits this.** Data EF40 EF86: Http://Tubedata.Itchurch.Org/Sheetse2.Html	OB/WB	**9.50** **12 @ 9.00**
EF40	Made by Tungsram in Hungary. But Zaerix logo. New tested guaranteed. Similar to EF86 but EF86 has a B9A base, EF40 has a rimlock base. **Socket ref SOC 89SKS from stock fits this.** Data on EF40 & EF86 at Http://Tubedata.Itchurch.Org/Sheetse2.Html	OB	**6.00** **30 @ 4.00**
EF41	Philips Holland NOS. Similarities to EF86, but not the same. For data http://www.tubedata.info/ if you have difficulty finding data, please contact our office. We are glad to help customer with data enquires. Please allow 2 working days for replies about data. **Socket ref SOC 89SKS from stock fits this.**	OB/WB	**12.50**
EF41	**East European. 50 pieces all the same appearance.** Similarities to EF86, but not the same. Data & sockets for EF42 see Philips paragraph below.	WB	**6.00** **50 @ 4.80**
EF42	Philips / Mullard, UK/Holland. Similar to EF86 but EF86 has a B9A base, EF40 has a rimlock base. Socket 89SKS from stock fits EF40. Data for EF42 EF86 http://tubedata.itchurch.org/sheetsE2.html Photo http://www.r-type.org/exhib/aab0167.htm	OB/WB	**6.00** **10 @ 4.40** **150 @ 4.00**
EF50	UK /USA NOS. Few only.	OB/WB	**6.00**
EF50 USED	UK/USA used tested. Minimum order is 10 pieces for this tested item.	OB/WB	**10 @ 2.00** **100 @ 1.50**
EF52	UK/USA NOS. Good quantities in stock. Please enquire.	Most OB	**POA**
EF54	Audio tube. Mullard UK NOS CV1136. Some similarities to EF86 but EF54 has a B9G base. Sockets available from us, OR the Chinese factory. [SOC9EF50]. Data: EF86: Vf 6.3V, If 200Ma, Va 300V, Ik 6Ma, S 1.8 Ma/V. EF54: Vf 6.3V, If 300Ma, Va 250V, Ik 10 Ma, S 7.7Ma/V. Apply 60V to the EF54 third grid and feed the filaments with DC for hum free audio sound. Data www.tubecollector.org/ef54.htm	GVT	**4.50** **500 @ 3.75**
EF55	Mullard logo. UK NOS. These high slope audio pentodes can be triode connected to give GM of more than 30 ma/v. EF55 has many similarity to 3A-167M, 5A-180M, 436A, 437A, EC8020, EC8010, E55L, though not equivalent.	OB	**22.00** **10 @ 18.00**
EF55 USED	Mullard UK used tested. These high slope audio pentodes can be triode connected to give GM of more than 30. EF55 has similarity to 3A-167M, 5A-180M, 436A, 437A, EC8020, EDC8010, E55L.	**WB**	**11.00** **5 @ 9.00**
EF70	Audio pentode. These CV4508, similar to EF70, Mullard UK, NOS. A sub miniature high slope pentode, wire ended. Deduct 25p, if you accept bulk pack/egg crate instead of white box. Data/picture: https://www.tubecollector.org/cv4508.htm	**WB**	**5.00** **100 @ 4.00**
EF72	Audio pentode. Equivalent to CV4501, CV465 and 5840. These are Mullard, UK, superior quality to 5840 USA made. You will receive Mullard, UK CV4501. NOS. A sub miniature pentode, wire ended. CV465 data http://www.tubecollector.org/cv465.htm 5840 data http://tubedata.itchurch.org/sheets51.html	GVT	**13.00** **20 @ 11.00** **200 @ 10.00**
EF72	Audio pentode. Equivalent to CV9915, CV465 and similar to 5840. These are Mullard, UK, You will receive Mullard, UK CV9915. NOS. A sub miniature pentode, wire ended. CV465 data http://www.tubecollector.org/cv465.htm 5840 data http://tubedata.itchurch.org/sheets51.html	GVT	**4.00** **20 @ 3.00** **200 @ 2.80**
EF73 / 7433	Please refer to the entry "5840 / CV4502", around page 70 for stock and prices.		

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TYPE	COMMENT	BOX	£ GBP PRICE each
EF80	Mullard, logo. UK. NOS.	OB/WB	**5.00** **20 @ 4.00** **100 @ 3.75**
EF80	Telefunken logo. West German. NOS. With <>.	OB	**8.00** **8 @ 7.00**
EF80	Audio pentode. Various: Siemens, Tesla, Tungsram, East European made. NOS & guaranteed. Most have logo. 50 - 100 each brand. Plain WB (no label or print on the white box).	Plain WB	**3.00** **20 @ 2.00** **200 @ 1.75**
EF80 USED	Audio pentode. Mullard UK used. Most have logo. Data/library photos: https://frank.pocnet.net/sheetsE1.htmlV Used and untested but many look new and test near new. Some have good print, some have no print. Guarantee is 90 days from despatch & is "return all or return none". We'll be very surprised if less than half work just fine. Amazing low price.	WB	**2.00** **50 @ 1.50** **100 @ 1.00**
EF80 / 6BX6	B9A base audio pentode. West European made NOS with logo. 30 x MiniWatt Dario, 300 pieces RT/RTC in Philips OB. Data: http://www.tubedata.info/ if you have difficulty please contact our office.	OB	**4.50** **20 @ 3.75** **300 @ 3.00**
EF80 / EF812	These are EF812/6F23 Mullard logo or Mazda logo. UK made NOS. 6F23 is near equivalent of EF80 but different heater. 6F23 is partly similar to PL36. 6F23 / EF812 data https://frank.pocnet.net/sheets64.html EF80 data https://frank.pocnet.net/sheetsE1.html	Most OB	**3.50** **20 @ 2.00** **400 @ 1.50**
EF83	West European made NOS. 30-40 pieces each of: Amperex, Mullard, Philips & 5 pieces of Telefunken. This is the variable mu version of the EF86. It can replace the EF86 in almost any circuit without modification.	Most OB	**7.00** **10 @ 6.00** **100 @ 5.00**
EF85	Mullard or Mazda. UK NOS with logo. Includes Mazda 6F19 & Mazda 6F26 equivalents. Great appearance. Audio pentode.	OB/GVT	**5.00** **50 @ 4.00**
EF85	Siemens. East Europe NOS. Data http://tubedata.itchurch.org/sheetsE2.html	OB/WB	**5.00** **30 @ 4.00** **100 @ 3.50**
EF86	BILLINGTON GOLD, Russian. With guarantee.	BG	**12.00** **10 @ 11.00**
EF86	These are 8D8 Brimar logo UK NOS. 8D8 is a special quality EF86. Quantities usually very limited.	OB/WB	**40.00**
EF86	China, new. All tested and guaranteed.	WB	**9.00** **5 @ 7.50**
EF86	GEC sticker. UK NOS. "Cheese grater" anode. Very rare. Photo on request.	OB/WB	**125.00** **2 @ 115.00**
EF86	GEC sticker. UK NOS CV4085.	OB/WB	**75.00** **4 @ 62.50**
EF86	Japan. Grey anode. Tested as working. NOS & guaranteed.		**40.00** **4 @ POA**
EF86	Marconi UK with mesh anode.	GVT	**50.00**
EF86	Mullard, logo UK NOS. Tested, guaranteed. Mesh anode.	Most OB	**30.00** **20 @ 23.00**
EF86	Mullard, logo, NOS. Holland/other West European NOS. Tested, guaranteed. Mesh anode.	Most OB	**30.00** **10 @ 24.00** **50 @ 22.00**
EF86	Mullard, logo UK NOS. D or square getter. Tested, guaranteed. Mesh anode.	OB	**35.00** **8 @ 34.00**
EF86	Mullard, logo UK NOS. Tested, guaranteed. Smooth anode.	Most OB	**32.00** **10 @ 26.00** **More @ POA**
EF86	RFT, Tesla, Tungsram, East European made. NOS.	OB/WB	**20.00** **8 @ 17.50**

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TYPE	COMMENT	BOX	£ GBP PRICE each
EF86	Russian. Svetlana made but no logo. AS at 5.2.24. We have 200 in stock. Once these are sold, we cannot obtain more.	OB/WB	**13.00** **100 @ 11.00**
EF86	Telefunken, West German with logo and <> diamond mark. A few grey anode & a few silver anode.	Most OB	**100.00** **More @ POA**
EF86	Valvo logo West Europe NOS. Tested, guaranteed.	OB	**25.00** **5 @ 24.00**
EF86	Please refer to **3B4** for alternative, not equivalent item with B7G base, 1.25V heater.		
EF86	Please refer to **6BR7**, made by Brimar UK, which has lower microphony and a different pin out.		
EF86	Please refer to **7432** for a possible alternative, not equivalent with a lower voltage rating and wire-ended base.		
EF86	Please refer to **CV4086** for wire-ended equivalent.		
EF86	Please refer to **E83F** for a possible alternative, not equivalent with some similarities.		
EF86	Please refer to **EF54** for alternative, not equivalent with some similarities but different base. These wholesale at around GBP1.20 in comparison with Mullard, EF86 costing GBP15.00 wholesale!		
EF86	Consider **EF183** as a possible alternative, not equivalent with higher gm.		
EF86 **Grade One**	Mullard, logo, made in UK/Holland. Tested as Grade One. When available approx GBP 20.00	G1	**POA**
EF86 **Grade One**	Telefunken, West Germany with logo and ◊ mark. Matched quads usually available. 38 pieces silver anode and 20 pieces grey anode. All tested as Grade One, emission is 80 percent or more.	G1	**50.00**
EF86 **Grade One**	Z729 GEC sticker sometimes available GBP36 wholesale price. UK made.	G1	**POA**
EF86 USED	Z729 GEC sticker sometimes available GBP27 wholesale price. UK made.	WB	**POA**
EF86 USED	Mullard, UK/Holland with logo. One piece of used, not new appearance but tested. With guarantee.	BP	**12.00**
EF86 USED	Telefunken, West Germany. Test as used. Guide price GBP24 wholesale if available. Diamond between pins <>.	WB	**24.00**
EF86 / 9D7	These 9D7 have higher gm, and variable mu compared to EF86, but are partly similar to EF86. Brimar logo. Both are B9A base. UK NOS. possible audio type. Please note these are 9D7. **9D7:** Vf 6.3V, If 300Ma, Va 250V, Ik 10Ma, S 8.40 Ma/V, Pa 2,7w. **EF86:** Vf 6.3V, If 200Ma, Va 300V, Ik 6 Ma, S 1.8Ma/V.	OB	**5.00** **8 @ 4.00** **50 @ 3.00**
EF86 / CV4086	GEC sticker UK NOS. Clean, tested and guaranteed. These are exact equivalent to EF86 but have flying leads/wire ended. Wire-ended valves can be soldered directly into a PCB to give extra low noise advantage. 2 ONLY. Very rare.	GVT/WB	**55.00**
EF86 / CV4086	USSR made NOS. These are CV4086 equivalent to EF86 but have flying leads/wire ended. Wire-ended valves can be soldered directly into a PCB to give extra low noise advantage. Very rare.	WB	**12.00** **6 @ 10.00**
EF86 / CV4086 USED	GEC sticker UK NOS. Used but **guaranteed**. Probably only used for 5 hours, but they are soldered into sockets. Due to solder issues they're cheap. These are equivalent to EF86 but have flying leads/wire ended. Wire-ended valves can be soldered directly into a PCB to give extra low noise advantage. Very rare.	WB	**27.00** **10 @ 20.00**
EF86 / RTR4341	These are RTR4341 Ericsson logo NOS. Sweden. ST shape. Require large B7 socket (SOC7PT4C socket from our stock). Audio pentode with some similarities to 6J7G EF86 and C3M but not equivalent (21v heater B7 base). Vade mecum data: https://tubedata.altanatubes.com.br/search/ These are RTR4341 tubes. Near offers considered for 100 pieces.	OB	**7.00** **2 @ 6.66** **20 @ 5.00** **400 @ 4.00**

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TYPE	COMMENT	BOX	£ GBP PRICE each
EF86 / UAF42	These UAF42 have similarities to EF86. Philips NOS. West European made. A popular RF/IF amplifier tube. Rimlock B8A socket to fit from stock, REF SOC89SKS. Data http://tubedata.itchurch.org/sheetsU.html Good quality B8A sockets are also made in China (socket fits UAF42, EL41, EF40, ECC40 & AZ41). UAF42 is a diode - pentode. The pentode section is similar to EF86. UAF42 data: heater 12.6v at 100mA, anode 200v, screen 85v. Grid -2V. Anode 5 mA. Emission 2.0 MA/V.	BP/WB	**2.00** **8 @ 1.34** **200 @ 1.25** **3,000 @ 1.20**
EF89	East European including Tungsram. New, tested, guaranteed.	WB	**7.50**
EF89	NOS. Brands include Mullard, Valvo and Telefunken. West European made.	Most OB	**12.00**
EF89 USED	When available.	WB	**POA**
EF91 / 6AM6S	Thomson logo USA NOS. Partly similar to EF86. B7G base audio pentode. EF91 – Vf=6,3V, If=450Ma, Va=250V, Ik=20Ma, S=7,7Ma/v EF86 – Vf=6,3V, If=200Ma, Va=300V, Ik=6Ma, S=1,8Ma/v EF95 – Vf=6,3V, If=175Ma, Va=180V, Ik=18Ma, S=5,1Ma/v, Pa=1,7W. More data http://tubedata.itchurch.org/sheets62.html	OB/GB	**2.50** **300 @ 1.75**
EF91 / 6F17 / S6F17 / CV4040	**These are 6F17** STC/ ITT logo. NOS Audio Pentode. For more info, refer to S6F17 elsewhere in this list.	GVT	**4.00** **5 @ 3.20** **400 @ 2.80**
EF91 / CV2000	Brimar (EF91 fly leads) NOS. They are exact equivalent of EF91 but wire ended / flying leads.	Mostly GVT	**2.50**
EF91 / CV4014	Mullard, UK. CV4014. NOS. Audio type. Genuine Mullard, but GVT print instead of a Mullard, logo. Price is negotiable for orders of over 500 pieces in one consignment.	GVT	**3.00** **100 @ 2.00**
EF91 / CV4014	Mullard, UK CV4014. NOS. Audio type. Mullard logo. Bulk pack items are 25p less than the following price. Price is negotiable for orders of over 500 pieces in one consignment.	GVT	**3.50** **2 @ 3.33** **100 @ 3.00**
EF91 / 5A-189K	STC logo, UK NOS with logo. Exact equivalent to EF91. B7G based audio pentode. Data www.tubedata.org. Possible audio pentode.	GVT	**5.00** **10 @ 4.00** **50 @ 3.00** **400 @ 2.00**
EF91	Brimar UK made (flying leads) CV4002 NOS. These are unused, new, in original boxes, but show traces of storage corrosion. Due to physical appearance these are half price. 1960s vintage British made. Long lasting good quality NOS signal Pentode. Equivalent to EF91 or 6AM5, except these are wire ended. Data www.tubecollector.org/cv4002.htm	Most GVT	**1.25**
EF91	Brimar UK made (flying leads) CV4002. New unused but show traces of storage corrosion. More detail in above paragraph. These are bulk pack/ egg crate.	BP	**1.00**
EF91	Please refer to CV20000 and 6F33 similar but not exactly the same.		
EF92	Brimar red logo. UK NOS. D getter. Shiny black plate.	WB	**7.00** **20 @ 6.00** **100 @ 5.00**
EF92	Mazda UK NOS. Perforated anode. Square getter.	OB/WB	**8.00** **20 @ 7.00**
EF92	Mullard UK NOS. no logo but has military print “CV4015”. Shiny smooth anode plate. Some similarities to EF86. In audio circuits, employ a DC supply for low noise. EF92 suits Little Dot Headphone Amplifier. Data http://www.r-type.org/exhib/aaa0064.htm 100 government boxes in military crate, usually in sealed cellophane wrapper.	GVT	**5.00** **20 @ 4.00** **100@ 3.50** **400 @ 3.00**
EF92	Mullard logo, UK NOS. Shiny smooth anode plate. Some similarities to EF86. In audio circuits, employ a DC supply for low noise.	GVT/OB	**5.00** **20 @ 4.50**

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TYPE	COMMENT	BOX	£ GBP PRICE each
	EF92 suits Little Dot Headphone Amplifier. Data http://www.r-type.org/exhib/aaa0064.htm		**100 @ 4.00**
EF92	Mullard logo, ring getter. UK NOS. Shiny smooth anode plate. Audio pentode with some similarities to EF86. Deduct 25p if you accept with bulk pack/egg crate instead of white box.	WB	**5.00** **10 @ 4.00** **100 @ 3.50** **400 @ 3.00**
EF92	Mullard logo, square getter. UK NOS. Shiny smooth anode plate. Some similarities to EF86.	OB/WB	**7.50** **20 @ 6.50** **100 @ 5.50**
EF92	Philips logo, UK NOS. Please see the EF92 Mazda paragraph, for data. More than 20 pieces may exist.	Most OB	**5.00** **20 @ 4.50**
EF92 / W107	MOV or Marconi logo. UK NOS. These are W107 which is said to be a 12v version of W77/EF92. May appeal to collectors of MOV/GEC rarities. http://www.r-type.org/exhib/abh0086.htm	OB/WB	**10.00** **10 @ POA**
EF95	Mullard, UK, CV4010. Genuine Mullard item but government print, no Mullard logo.	GVT	**10.00** **50 @ POA**
EF95	Mullard UK, NOS. Printed CV850.	GB	**10.00** **50 @ POA**
EF95 / 6AK5	Chinese made. NOS. Good audio quality tested. Guaranteed. Deduct 25p if accepted with egg crate / bulk pack instead of WB. A UK amplifier maker told us “these are as good as Mullard for emission, low noise, frequency response”.	WB	**2.00** **10 @ 1.00** **3,000 @ 0.70**
EF95 / 6AK5	Ericsson logo NOS. Made in Sweden. Gold pin (2B confirmed). A rare & high-quality brand. Near offers considered for 100 pieces.	WB	**15.00** **8 @ 13.50** **30 @ 12.00** **120 @ 10.50**
EF95 / 6AK5 / 5654	In sets of 8 or more of the same construction. NOS with logo and guarantee. **CIFTE** France: 10 x 5654, 8 x 6AK5. **GE** USA: 40 x 5654, maybe some 5 star ***** logo. **RCA** USA: 40 x 5654, 20 x EF95. **RT** UK / FRANCE: x 10. **PHILIPS** Miniwatt Holland: x 20.	Most GVT box	**6.50** **8 @ 6.00** **100 @ 5.50**
EF95 / 6AK5 / / 5654	RT logo. Made by Mullard, UK factory for French army. Mullard, black plate, with circle in the anode. Exactly same construction as Mullard, NOS with guarantee. These are 5654 RT logo, equivalent to EF95 CV4010.	GB	**9.50** **Bulk @ POA**
EF95 / CV4010	Mullard logo UK, CV4010. NOS.	WB	**13.00** **30 @ 10.00**
EF97	6ES6 6FD6 Mullard and other West European NOS. 10 in stock at time of catalogue entry.	OB/WB	**4.00**
EF98	East and West European.	OB/WB	**3.00**
EF98	Philips logo or Mullard logo. West European. NOS. Great audio sound. Equivalent to 6ET6 Audio I.F. pentode suits tuner or pre amp. Data etc http://www.groupdiy.com/index.php?topic=37147.0 Data http://tubedata.itchurch.org/sheetsE2.html	OB	**3.00** **10 @ 2.70** **100 @ 2.10**
EF183	East European NOS. EF183 / 6EH7 has similarities to EF89. EF183 is an IF or RF tube for audio tuners etc. EF183 is a remote cut-off type that could be used as an audio signal compressor tube. Data for Mullard equivalent item www.r-type.org/exhib/aai0110.htm	OB/WB/BP	**2.10** **10 @ 1.90** **300 @ 1.75**
EF183	Mazda, UK NOS most with logo. Data for Mullard equivalent www.r-type.org/exhib/aai0110.htm	Most OB	**3.50** **10 @ 2.75** **300 @ 2.00**
EF183	Mullard, UK NOS most with logo. Data for Mullard equivalent www.r-type.org/exhib/aai0110.htm	Most OB	**3.50** **10 @ 2.75**

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TYPE	COMMENT	BOX	£ GBP PRICE each
EF184	Mazda or Brimar logo, UK. NOS. Tested.	OB/WB	**4.50** **30 @ 4.00**
EF184	Mullard logo, UK NOS. Data: http://www.tubedata.info/ if you have difficulty please contact our office.	Most OB	**5.00** **10 @ 4.50** **100 @ 4.00**
EF184	Various: 100 Tungsram Hungary, 80 EI Yugoslav, 70 Tesla, 100 mixed East Europe. Deduct 25p if you accept as bulk pack ie egg crate. Potential audio B9A pentode. Data www.tubedata.or	WB	**3.00** **100 @ 2.40** **350 @ 2.00**
EF184	West European brands. When available.	OB/WB	**3.00**
EF184 USED	Mullard logo, UK. Used, tested.	WB	**2.50** **50 @ 2.00**
EF731	West European including CV477 and 5899. A sub miniature semi-remote-cut off broadband pentode for audio compression applications. Characteristics similar to 6SK7 or 6BA6.	GVT	**3.00** **30 @ 2.60**
EF800	Tesla logo, Slovakia. NOS.	OB	**5.00** **50 @ 4.20**
EF800	Telefunken logo. West German NOS. <> between pins.	OB	**42.00** **8 @ 37.50**
EF800 USED	Telefunken logo. West German used tested. <> between pins.	WB	**14.00**
EF800 / EF860	These are EF860 audio pentode. East German. NOS. Made by RFT or similar. Tested guaranteed. Gold pin. Super quality audio pentode. Data http://tubedata.itchurch.org/sheetsE1.html These EF 860 are similar to EF 800 but not equivalent.	OB/WB	**4.00** **4 @ 3.00** **100 @ 2.40**
EF802	Similar to EF800.		
EF802	Telefunken logo. West German NOS. <> between pins. High quality low noise pentode, suits broadband amplifier or microphones. 10,000 hours life. There is no internal shielding as in EF800, so this tube useful up to 30 MHz.	OB	**14.00** **16 @ 12.50**
EF804	Telefunken logo grey anode. Genuine West German made. NO diamond mark between pins. NOS tested and guaranteed.	OB/WB	**26.00**
EF804 **Grade One**	Telefunken logo west German with diamond <>. Tested as Grade One. 4 grey anode. 4 silver anode.	G1	**17.00**
EF804S	Telefunken logo, West German with diamond <>. NOS.	OB	**37.50**
EF805S	Telefunken logo, West German NOS with <> mark. Near equivalent to ECC85.	OB	**8.00** **12 @ 7.00**
EF806 / PCF806	These are PCF806 Mullard or Mazda logo UK NOS. Triode pentode. The pentode section of PCF806 is partly similar to EF806 but not equivalent. Data www.r-type.org/exhib/aai0100.htm	OB	**5.00** **10 @ 4.00** **100 @ 3.00** **400 @ 2.50**
EF806S	Telefunken logo, West German vintage manufacture with diamond mark <>. This is a special 10,000-hour EF86 made for critical applications. Ideal in top high end audio and valve microphones. Factory selected for low noise. NOS tested guaranteed.	OB	**105.00**
EF806S	Tesla logo old Czechoslovakian estimated 1960s made. Not recent JJ. A special 10,000-hour EF86 made for critical applications. Factory tested. Selected for low noise.	Most OB	**25.00**
EF806S USED	Telefunken logo, West German vintage manufacture with diamond mark <>. Grey anode. This is a special 10,000-hour tube, ideal in high end audio and valve microphones. Factory selected for low noise. Used tested guaranteed. Very clean condition. Match pairs usually possible.	WB	**65.00** **8 @ 60.00**
EFL200	Equivalent 6Y9. Made in Russia. New. NOS.	WB	**2.50** **75 @ 2.00**
EFL200	Equivalent 6Y9. Made in West Europe. RT logo. NOS.	OB	**3.50**

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TYPE	COMMENT	BOX	£ GBP PRICE each
			20 @ 2.50 300 @ 2.30
EFP60	Mullard and other UK NOS. Red metal. Interesting secondary emission pentode. Data: http://www.tubedata.info/ if you have difficulty please contact our office.	GB	6.00 30 @ 4.50
EHT7	UK NOS. Equivalent to GEC EEV B1510A. Suits laser control, x-ray, beam welding, CERN etc. We can obtain 1 piece with a short delay.	OB/WB	POA
EH90 / 6CS6	USSR NOS B7G base audio, tube.	OB/WB	4.00 100 @ 3.50
EH90 / 6CS6	80 RCA USA made and 30 Sylvania. All genuine USA made NOS. May or may not have a logo. B7G base audio tube, deduct 25p if you accept them in bulk pack/egg crate, not WB.	WB	3.00 20 @ 2.20 80 @ 1.80
EH90 / 6CS6	NOS, B7G base audio tube. 5 or 10 each of Mullard, Mazda & Marconi. NOS. Made in West Europe.	OB/WB	4.00 25 @ 3.50
EH900S	Telefunken logo, no diamond mark. West Europe made NOS. Data www.tubedata.org. Audio application discussed here www.head-fi.org/t/563884/little-dot-tube-amps-vacuum-tube-rolling-guide/1620	OB	5.00 40 @ 3.20
EL3	Audio output pentode. Can be employed as a triode. Telefunken logo. West German NOS tested guaranteed. 50 pieces the same. GT shape. Also in our stock, socket to fit this tube, ref 8SC, cheap. Data http://www.r-type.org/exhib/aaa0328.htm	GB	32.00 8 @ 28.00 50 @ 24.00
EL3N	Philips logo. NOS.	OB	30.00
EL12 / EL12N	Russian NOS, tested and guaranteed. 10Y sockets to fit in stock. Data: Vf=6.3V, If-1200Ma, Va=250V, Ik=72Ma, S=15Ma/V, Pa=18W.	WB	12.00
EL30 Grade One	RT French made with logo. Test as Grade One. Audio pentode with Some similarities to EL34. Data http://frank.pocnet.net	G1	6.00 20 @ 5.00
EL31	Mullard, UK with logo. NOS. Audio pentode with similarities to EL37. Used, tested around 70 percent emission, guaranteed. Data/photo http://www.r-type.org/exhib/aaj0238.htm	WB	30.00 2 @ 28.00
EL32	Mullard logo UK. NOS. Shoulder shape.	OB/WB	20.00 8 @ 16.00
EL32	Mullard UK. NOS. GT. Tested, guaranteed.	GVT	10.00 20 @ 8.00
EL32 Grade One	UK. GEC, ST shape. Test as Grade 1.	G1	12.00 4 @ 11.00
EL32 Grade One	Mullard logo UK. G1. ST shape.	G1	16.00 8 @ 13.00
EL32 Grade One	RT French.	G1	18.00 4 @ POA
EL33	Mullard logo, NOS. Tested tube valve. ST shape genuine vintage / antique item made in UK / West Europe.	OB	60.00 4 @ POA
EL33	RT/Philips. NOS tested guaranteed. Made in France. Shouldered shape. Lovely antique appearance.	GB	60.00
EL33	NOS tested guaranteed. No logo and unknown brand, but made in West Europe, 3 month guarantee. Shouldered shape. Bargain price.	GB	35.00
EL33 Grade One	Octal base audio pentode. Mullard, Logo, UK. Tested as Grade One, guaranteed. EL33: Vf=6.3V, If=900Ma, Va=250V, Ik=36Ma, S=9Ma/V, Pa=9W More EL33 data here www.r-type.org. 2/4 pieces usually in stock.	G1	45.00
EL33 USED	Mullard, UK. With logo. Used, tested and guaranteed.	BB	30.00
EL33	Please refer to **6CH6** for a very similar item but with a B9A base instead of octal.		
EL33	Please refer to 6CH6 (B9a) near equivalent with different base. EL33 IS octal base, 6CH6 is B9A base.		

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TYPE	COMMENT	BOX	£ GBP PRICE each
EL33	Please refer to **6P25** for a very near equivalent.		
EL33 / CL33	Mullard UK NOSS. These CL33 are similar to EL33B but CL33 has 35v heater. EL33 CL33 are both loctal base. Data/photo http://www.r-type.org/exhib/aaa0150.htm	OB/WB	**12.00** **10 @ 10.00**
EL33 / N34	These are N34, B7 base audio pentode. GEC UK NOS. Similar to EL33 but N43 has 13volt heater.	GB	**POA**
EL33 / PEN36C	These are PEN36C STC logo UK, NOS. PEN36C is an audio pentode with some similarities to EL33. (Not equivalent). B7 sockets to fit from stock. Socket ref 7PT4. Tested. Guaranteed CV1672. Data for PEN36C, EL33 on the tubedata.itchurch website.	OB	**POA**
EL33 / PL33 USED	These are NOS PL33 octal base audio pentode. Mullard, logo. UK.NOS, tested and guaranteed. Data free on request.	OB	**13.00** **12 @ 11.00**
EL34	EL34 BILLINGTON GOLD. Chinese made. Please refer to page 6 for full details.	OB	**27.00** **20 @ 24**
EL34	Chinese made. New tested, guaranteed. 4 Shuguang / 4 Beijing / 4 GG. 4 larger glass size. Supplied in sets of 4 pieces of the same brand/same appearance.	WB	**18.00** **16 @ 16.00**
EL34	Electro-Harmonix logo. Russian new. Slim Mullard shape. Tested guaranteed. 2 week delay on this item.	OB/WB	**28.00** **100 @ POA**
EL34	JJ logo Slovakia. New & guaranteed.	OB/WB	**24.00**
EL34	Mullard logo -Holland NOS. metal base very rare. 2 pieces look the same, test readings on request	G1	**300.00**
EL34	Mullard logo, made in UK or Holland. Large brown base & double O getter, NOS.	OB/WB	**160.00**
EL34	Mullard logo, made in UK or Holland. Double square or double D getter plate. NOS.	OB/WB	**170.00**
EL34	Mullard logo - made in UK. Single O getter ring. NOS.	OB/WB	**100.00**
EL34	Mullard logo - made in UK. Double O getter plate. NOS. Most XF2.	Most OB	**160.00**
EL34	Mullard logo - UK, NOS. Large base, single ring getter.	GVT	**150.00**
EL34	Chinese made Psvane logo. New, tested, guaranteed. Good quality item.	OB/WB	**18.00** **50 @ 14.00**
EL34	Raytheon logo, made in Japan. NOS, when available. Tests by professionals show that these perform as well as Mullard, UK. The construction is similar to Mullard, UK.	OB/WB	**45.00**
EL34	Svetlana, Russian "C" logo. Not made since 2011. Look unused but test around 80 percent of perfect new figure. Lots of life left in these. Look unused.	OB/WB	**42.00** **4 @ 38.00**
EL34	Svetlana, Russian “S” logo. NOS, tested.	OB/WB	**14.00**
EL34	Telefunken logo, NOS made by RFT in East Germany. Clean, tested/guaranteed. When available.	WB	**POA**
EL34	Tesla old logo, Czechoslovakia. 1960s or 70s. Rare. Brown base. 4 the same. NOS and tested.	WB	**60.00**
EL34	Please refer to **3D21A** for a possible alternative (not an equivalent but it could be used as an audio output pentode).		
EL34	Please see 6Y6G possible alternative not equivalent. 6Y6G is USA/West Europe made and super low cost!		
EL34	Refer to E2E for possible alternative, not equivalent. We usually have sockets for E2E in stock.		
EL34	Please refer to E236L for possible alternative, not equivalent.		
EL34 Grade One	Japanese made. Tests by professionals show they perform as well as Mullard, UK. The construction is similar to Mullard, UK. When available.		**POA**
EL34 Grade One	Mazda logo, made in Japan. Tests by professionals show these perform as well as Mullard UK. Construction is similar to Mullard, UK. Guide price GBP36 wholesale.	G1	**POA**
EL34 Grade One	Mullard logo UK. Yellow print. Tested as Grade One, not perfect but decent appearance. Double ring getter.	G1	**110.00**

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TYPE	COMMENT	BOX	£ GBP PRICE each
EL34 Grade One	Mullard logo, UK/Holland. Tested as Grade One, clean and guaranteed. Double D getter plate.	G1	**120.00**
EL34 Grade One	Mullard, UK/Holland. Most have logo, please enquire. Tested as Grade One, clean and guaranteed. Single ring getter.	G1	**75.00**
EL34 Grade One	Philips logo. Made in Holland in 1950s. Tested as Grade One. Dish getter. Mullard code in the base.	G1	**POA**
EL34 Grade One	Raytheon logo, made in Japan. Tested as Grade 1. Tests by professionals show that these perform as well as Mullard, UK. The construction is similar to Mullard, UK.	G1	**35.00** **6 @ 30.00**
EL34 Grade One	Telefunken logo. Made in East Germany. When available.	G1	**POA**
EL34 Grade One	Tesla old logo, Czechoslovakia. 1970s. Extremely rare. Grade one tested. When available.	G1	**POA**
EL34 USED	Mullard logo UK. Used not new, but clean, tested/guaranteed. Single ring getter version.	WB	**55.00** **4 @ 45.00**
EL34 USED	Mullard, UK/Holland. Most have logo, please enquire. Used not new but clean, tested/guaranteed. Double ring getter version.	WB	**60.00** **4 @ 50.00**
EL34 USED	Mullard, UK/Holland. Most have logo, please enquire. Used not new but clean, tested/guaranteed. Double D getter.	WB	**80.00**
EL34 USED	Mullard logo, very rare metal base version, UK/Holland. Used not new, but clean, tested/guaranteed. When available.	WB	**POA**
EL34 USED	Telefunken logo, made BY RFT in East Germany. When available.	WB	**POA**
EL34 USED	Telefunken logo. Used. Not new appearance. Tested/guaranteed. Made in East Germany. When available.	WB	**POA**
EL34 USED	Tesla old logo, Czechoslovakia. 1970s. Extremely rare. When available.	WB	**POA**
EL34 USED	Westinghouse logo, made in Japan. Tested working, guaranteed 65 percent emission or more. Tests by professionals show that these perform as well as Mullard, UK. The construction is similar to Mullard, UK.	WB	**30.00** **8 @ 25.00**
EL34 / 6CA7	Chinese big glass.	WB	**18.00**
EL34 / 6CA7	Ei logo. Yugoslavian NOS. Fat bottle like USA version. Tested/guaranteed.	OB	**110.00** **4 @ 100.00**
EL34 / 6CA7	Ei logo. Made in former Yugoslavian (Serbia) NOS. Fat bottle like 6CA7 GE SYLV RCA USA version. Tested/guaranteed. It looks clean, **NOS and unused**. Like many EI tubes this tests below perfect (70% emission approximate). In our opinion, these are NOS tubes, selling at 25% lower than NOS price.		**85 .00** **4 @ 80.00**
EL34 / 6CA7	GE logo USA NOS. 6CA7 big bulb. Tested/guaranteed.	OB	**110.00** **2 @ 100**
EL34 / 6CA7	Lindal ITT made in South Korea. NOS, tested, guaranteed. 2 look the same. Large bulb size, looks similar to Sylvania USA 6CA7	OB/WB	**55.00** **2 @ 52.50**
EL34 / EL34G USED	Sovtek Russian logo. Rare & no longer manufactured. Used tested working and clean.	WB	**13.00** **4 @ 12.50**
E34L	Please use **EL34** equivalent.		
EL35	Mullard, UK/Holland with logo. NOS. Audio pentode with similarities to EL37. Both are octal base.	OB	**150.00**
EL35 Grade One	Mullard, UK/Holland with logo. NOS. Audio pentode with similarities to EL37. Both are octal base. Tested as Grade One	G1	**110.00**
EL36	Mullard, UK NOS.	OB/WB	**10.00**
EL36	West European / USA made. NOS.	OB/WB	**5.00**
EL37	Mullard, UK logo. NOS. Audio pentode with similarities to KT66. Tested. Sets of 2 the same appearance.	OB	**150.00**
EL37	Mullard, UK logo. NOS. Singles, means not in sets of 2 the same appearance.	OB	**120.00**

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TYPE	COMMENT	BOX	£ GBP PRICE each
EL37 **Grade One**	Mullard, UK or Holland with logo. Audio pentode with similarities to KT66. Both are octal based. Tested as Grade One. 4 pieces.	G1	**90.00** **2 @ 80.00**
EL37 USED	Mullard logo. UK tested/guaranteed. 65 or 75 percent emission.	WB	**70.00**
EL37	Possible alternative, not equivalent **KT66**.		
EL38	Mullard logo UK NOS.	OB	**29.00** **10 @ 27.00** **25 @ 25.00**
EL38 **Grade One**	Mullard logo, UK. Test as Grade One minimum 80 percent emission. Good physical appearance, but not new appearance. Some are antique bulbous shape.	G1	**27.00** **8 @ 22.00** **25 @ 20.00**
EL38 USED	Mullard logo UK used, tested.	WB	**18.00** **20 @ 17.00**
EL38	Please refer to 6BG6G for possible alternative, not equivalent.		
EL38 / E3375	GEC Sticker UK NOS. These E3375 are equivalent to EL38 but E3375 are rare GT version. Only 2 left in stock.	OB	**60.00**
EL41	Mullard, NOS. UK / Holland.	OB/WB	**10.00**
EL42	Mullard / Philips logo, NOS. UK / Holland. Data www.tubedata.org	Most OB/WB	**10.00** **30 @ 8.00**
EL42	Russian NOS.	Mostly OB	**8.00** **10 @ 6.00**
EL50	Mullard logo UK NOS.	OB	**30.00** **4 @ 27.00**
EL50 **USED**	Mullard, Philips etc, Used, tested, guaranteed. Decent appearance.	WB	**15.00** **12 @ 12.00**
EL81	Siemens German made. NOS. 500 of matched appearance. Printed CV2721. Audio type, good for class B push pull. EL81 has some similarities to EL 519, EL84 and C3M, (but not equivalent). EL81 would make a driver for 845 tubes in SE audio circuit. Data: **EL81:** Vf=6.3V, If=1050Ma, Va=250V, Ik=180Ma, S=4.6Ma/V, Pa=8W. **EL84:** Vf=6,3V, If=760Ma, Va=300V, Ik=65Ma, S=11Ma/V Pa=12W **C3M:** Vf=20V, If=125Ma, Va=300V, Ik=30Ma, S=7,2Ma/V Pa=4W More data http://tubedata.itchurch.org/sheetsE1.html	OB	**3.00** **10 @ 1.50** **500 @ 1.20**
EL81	Mullard/Philips. UK/Holland. NOS. Audio type, good for class B push pull. Please refer to EL81 E. European paragraph above. For data enquire from Billington's office.	GVT	**4.00** **20 @ 3.50**
EL83	35 international brand made by Tungsram Hungary. NOS. 5 x other East Europe and West Europe. Potential audio type. Data www.tubedata.org	OB	**4.00** **40 @ 3.00**
EL83	NOS. Please refer to SV83 equivalent. Large quantities in stock. Potential audio type.		
EL84	BILLINGTON GOLD, Chinese made NOS. Tested, guarantee.	OB	**20.00** **50 @ 17.00**
EL84	Brimar. Very balanced sound, excellent internal construction, superb. UK, NOS.	OB/WB	**35.00** **8 @ 24.00**
EL84	Chinese new tested working & guaranteed. Psvane manufacture.	OB	**16.00** **75 @ 13.00**
EL84	Chinese unused and working, but test below perfect. Clean, guaranteed.	WB	**16.00** **8 @ 12.00**
EL84	GEC sticker, UK NOS tested. 2 the same appearance.	OB/WB	**150.00** **2 @ 140.00**
EL84	Made in Japan. NOS. 4 Raytheon, 4 Mazda, 4 Westinghouse. Tested, guaranteed, logo.	Most OB	**24.00** **4 @ 20.00** **12 @ 17.50**
EL84	Mullard logo, NOS. Tested guaranteed. 4 Holland made with slot in anode. 4 UK made with "O" in the anode.	Most OB	**45.00** **8 @ POA**

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TYPE	COMMENT	BOX	£ GBP PRICE each
EL84	Mullard logo, D getter NOS. Tested guaranteed. Holland made.	OB/WB	**105.00** **8 @ POA**
EL84	Mullard logo, D getter NOS. Made in the Sittard plant in Holland. Rare & desirable.	WB	**80.00** **8 @ POA**
EL84	Raytheon, Sylvania, Westinghouse. USA, NOS, with logo. Tested, guaranteed.	OB	**26.00**
EL84	RCA logo. NOS. USA acid etc.	Most OB	**30.00** **4 @ 27.00**
EL84	RFT made in Germany. NOS limited quantity. Please enquire.	OB/WB	**30.00**
EL84	Russian NOS / tested. Guaranteed. Maybe EH brand or Sovtek or unbranded, at our discretion.	OB/WB	**20.00** **100 @ 16.50**
EL84	Telefunken logo. West European made with ◊ mark. Guide price GBP80.00 wholesale.	OB	**POA**
EL84	Tung-Sol Russia. New & guaranteed.	OB	**21.50** **16 @ 20.00**
EL84	Tungsram NOS. Made in Hungary. NOS. Tested, guaranteed.	OB/WB	**26.00** **8 @ 22.50**
EL84	Tesla logo. NOS. Made in Czechoslovakia. Tested, guaranteed.	Most OB	**17.50** **16 @ 14.00**
EL84	Valvo logo West Germany. Currently out of stock, please enquire if interested.		**POA**
EL84	BILLINGTON GOLD, Russian made NOS. With guarantee. Clean and tested to a special high standard. Great audio quality. Printed Billington Gold logo and " EL84".	OB	**23.00** **50 @ 20.00**
EL84 / 6BQ5	BILLINGTON GOLD, Russian made NOS. With guarantee. Clean and tested to a special high standard. Great audio quality. Please note these are printed Billington Gold logo and "7189" (not EL84). 7189 Russian is full equivalent to EL84.	OB	**17.00** **10 @ 15.50**
EL84 / 6BQ5	Ei logo NOS. Yugoslavian. Tested guaranteed.	WB	**40.00**
EL84 / 6BQ5 USED	Ei logo. Used. Test around 65-75 percent emission. Made by EI in former Yugoslavia. Tested guaranteed.	WB	**30.00** **8 @ 22.00**
EL84 / 6BQ5	Russian NOS / tested. Guaranteed.	WB	**18.00**
EL84 / 6CL6	These are 6CL6 Thomson, France. NOS guaranteed, logo. This B9A 6V pentode fits some vintage audio equipment. Partly similar to EL84. B9A base audio pentode. Data http://tubedata.itchurch.org/sheets64.html We can we can email you an audio circuit, using 6CL6 free of charge on request.	OB	**4.00** **20 @ 3.50** **60 @ 2.40** **200 @ 1.40** **700 @ 1.30**
EL84 / 6GK6	These 6GK6 are the same as EL84, but different pin out! USA NOS with logo. Tested/guaranteed. 10 or more of pieces of each brand, RCA, Sylvania, Westinghouse.	Most OB	**12.00** **10 @ 10.00** **50 @ 7.50**
EL84 / 5639	Sylvania USA and Thomson France. NOS wire ended 5639. Partly similar to EL84 but lower power, (not equivalent to EL84). These are 5639 wire ended/ flying lead. Data http://tubedata.tubes.se/index.html	OB/GB	**5.00** **50 @ 2.50**
EL84 / 5686	These are 5686 Raytheon logo, USA NOS. B9A based audio pentode with similarities to EL84. Data: http://www.tubedata.info/ if you have difficulty please contact our office. Suits low power amplifiers, eg 1 watt SE triode, 3W SE pentode, 10w PP pentode. Try 225 volts of B+, with cathode bias. Try 9K ohm load in SE pentode mode. Try grid and screen stoppers.	Most OB	**5.00** **10 @ 4.00** **100 @ 3.00**
EL84 / CV2243	These CV2243 have similarities to EL84 but are not the same. Please study the below data carefully. STC/ITT logo UK NOS. These CV2243 are equivalent to 6F14 but with a 9 pin base. CV2243 is equivalent to STC 5A–206K. Between these links you should get all the data/photos you need:	OB/GVT	**5.00** **100 @ 4.00** **400 @ 3.75**

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TYPE	COMMENT	BOX	£ GBP PRICE each
	data www.tubecollector.org/cv2243.htm https://frank.pocnet.net/other/ServiceTypes/CVnumbers.html		
EL84 / EL84R	These are Brimar EL821 / 6CH6 UK NOS with a gold pin adaptor. Glass printed EL84R. Matched pairs available. 1970's vintage, genuine British made Brimar EL821 / CV4055 / 6CH6 pentode with adapters to use directly in place of EL84 tubes. A good way to get British NOS quality, without the expense of NOS EL84 tubes. NOS tested/guaranteed. EL821 / 6CH6 / CV4055 is an output power pentode with characteristics very similar to EL84, but with a different pinout. Data: http://www.tubedata.info/ if you have difficulty please contact our office. An Amplifier diagram for EL821 available from our office. *These adapters are only suitable for amplifiers where the tubes sit UPRIGHT, not sideways or upside down. So they're good for hi-fi, but not recommended for guitar amplifiers, unless there are retainers to hold the tubes in.*	OB/WB	**7.50** **50 @ 6.00**
EL84 / EL183	These are **EL183** Mullard logo. Holland NOS. Some similarities to EL84 & other **audio** pentodes. High gain/slope! Centre tapped heater. B9A base. Data: Vf=12.6V, If=300Ma, Va=220V, Ik=20Ma, S=25ma/V, Pa=6W. Data: http://www.tubedata.info/ if you have difficulty please contact our office.	OB	**6.00** **4 @ 4.75** **200 @ 3.75**
EL84 / EL183	These are **EL183** Philips Holland NOS. Printed only "EL183", supplied in bulk pack or egg crate. Some similarities to **EL84** & other **audio** pentodes. High gain/slope! Centre tapped heater. B9A base. Data: Vf=12.6V, If=300Ma, Va=220V, Ik=20Ma, S=25ma/V, Pa=6W. Data: http://www.tubedata.info/ if you have difficulty please contact our office.	BP	**6.00** **4 @ 4.75** **600 @ 3.50**
EL84 / SV83	These are SV83 Chinese manufacture NOS. All identical. Guaranteed. SV83 B9A base is similar to EL84 but different pinout. Please refer to data below. SV83 replaces EL84 by rewiring the base. These are bulk pack, egg crate. Please add 25p per tube, if white box with label required. Lowest price in the world. SV83 NEW Chinese, equivalent to 6P15P 6П15П EL83. Similar to 6CK6 EL84 6BQ5. Please add 0.25GBP per tube if white box required. Data http://tubedata.itchurch.org/sheetsS.html	BP	**2.00**
EL84 / SV83 Data	Printed SV83 or 6P15P, or 6N15N or 6Pi15Pi. SV83 can replace EL84 by rewiring the base. SV83 B9A base is similar to EL84 but different pinout. Data http://tubedata.itchurch.org/sheetsS.html		**Refer to SV83 for prices**
EL84 **Grade One**	Brimar logo UK. Used, tested, as Grade 1 (over 80 percent emission). Guaranteed. Not new appearance but very good appearance. Very balanced sound.	G1	**24.50** **8 @ 22.00**
EL84 **Grade One**	Mazda logo UK made. Test as Grade 1. Means, approximate 80 percent emission. Not new appearance but decent, used appearance with good print and logo. Very balanced sound, excellent internal construction, superb. UK, NOS.	G1 box	**25.00** **10 @ 20.00**
EL84 **Grade One**	4 Mazda, 4 Raytheon, 4 Westinghouse, with logo. Made in Japan. Tests as Grade One.	G1	**18.00** **4 @ 16.00** **12 @ 14.00**
EL84 **Grade One**	Mullard logo, D getter. Grade One. Tested, guaranteed. Holland made.	G1	**75.00** **8 @ POA**
EL84 **Grade One**	Mullard logo, UK or Holland. Test as Grade One, small stains in the glass. Sorted into groups according to the Mullard manufacture code. RX1/ RX2 / RX3 / KM1. Pease enquire.	G1	**28.50** **8 @ 24.00**
EL84	RCA logo, USA acid etch.	G1	**22.00**

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TYPE	COMMENT	BOX	£ GBP PRICE each
Grade One	Test as Grade One.		6 @ 18.00
EL84 Grade One	RFT made in Germany. Limited quantity. Please enquire.	G1	22.50
EL84 Grade One	Siemens, West European made. Most have logo. Test as G1. 4 pieces.	G1	22.00
EL84 Grade One	Telefunken West Germany with logo and diamond mark.	G1	60.00
EL84 Grade One	USA made GE, Sylvania and Westinghouse. Also some RCA at higher price. Most have logos. Tests as Grade One.	G1	16.00 8 @ 14.00
EL84 Grade One	Tungsram Hungary. Test as grade one. Approximate 80 percent emission. Not new but decent appearance	WB	18.00 12 @ 15.00
EL84 Grade One	Valvo logo made in West Germany. Currently out of stock, please enquire if interested.	G1	SOLD OUT
EL84 / N709 Grade One	GEC sticker, UK made. Test 80 percent emission, slightly used. D getter. Data www.rtype.org/exhib/aaa0609.htm	G1	140.00 3 @ 125.00
EL84 USED	Brimar logo UK. Used, tested, guaranteed. Very balanced sound. Not new appearance, but decent appearance.	Old OB	17.50 12 @ 15.00
EL84 USED	Mullard logo, D getter UK / Holland. Used not new but clean, test 65-75 percent emission and guarantee.	WB	30.00 12 @ 24.00
EL84 USED	Mullard logo, UK / Holland. Used not new but clean, test 65-75 percent emission and guarantee. Price is for one tube.	WB	20.00 16 @ 16.00
EL84 USED	6 Mazda logo, 4 Raytheon & 6 Westinghouse, with logo. Made in Japan. Tests as used (around 65 percent emission).	WB	12.00 6 @ 10.00 16 @ 8.00
EL84 USED	RCA USA. RCA acid etch. RCA logo. Used not new but clean, tested 70 percent gm or more and guaranteed.	WB	15.00 8 @ 12.00
EL84 USED	RFT made in Germany. Limited quantity. Please enquire.	WB	15.00
EL84 USED	Siemens, West European made. Most have logo. Used tested guaranteed. 4 pieces.	WB	15.00
EL84 USED	Telefunken West Germany with logo and diamond mark. Tested as used, guaranteed.	WB	33.00
EL84 USED	USA made. 8 Raytheon, 12 RCA & 6 Sylvania. Used not new but clean, tested 65 percent gm or more. Guaranteed.	WB	12.00 8 @ 10.00 26 @ 8.00
EL84	Please refer to these top quality possible alternatives, NOT equivalents: * Mullard, EL91 lower power alternative. * SV83 super low cost alternative, B9A different pinout. * 6CH6 UK, partly similar to EL84.		
EL84M USED	Russian used, tested guaranteed. 12 pieces.	WB	6.00
EL85	Mullard UK. 6 of Philips Holland. Possible audio pentode. NOS.	GVT	5.00 4 @ 4.20 40 @ 4.00
EL85	Made in Russia or Hungary, NOS.	OB/WB	2.50 16 @ 2.00
EL86	Mullard UK. NOS. Similar to EL84 but has a different anode current. Data: Vf=6.3V, If=760Ma, Va=250V, Ik=100Ma, S=10Ma/V, Pa=12W. B9A socket.	Most OB	6.50
EL86	10 USA Westinghouse etc, 30 Japan Mazda or Toshiba, 20 Tungsram Hungary.	Most OB	10 @ 5.00 20 @ 4.50 60 @ 4.00
EL86 USED	Mullard UK. Used, tested.		3.00
EL90	Refer to equivalent **6AQ5**, audio pentode		
EL90 / 6005	Telefunken logo. West German made, NOS. Diamond mark <> between pins.	OB	57.50 2 @ 57.00
EL90 / 6005 / 6AQ5	Mullard logo. UK NOS.	Most OB	14.00

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TYPE	COMMENT	BOX	£ GBP PRICE each
EL91 / 6AM5	Mullard **old style logo**. UK NOS. 1970s vintage genuine Mullard pentode power amplifier pentode. A micropower audio output power pentode. Output approximately 1.5 watts single-ended or 5 watts push pull. Useful for building headphone amps, micropower amps or line drivers. Data http://tubedata.itchurch.org/sheetsE1.html	GVT	**6.00** **50 @ 5.50** **100 @ 5.00**
EL91 / 6AM5	Mullard UK, Government print, **no logo**. 1970s vintage genuine Mullard audio power pentode. Output 1.5 watts single-ended or 5 watts push pull. Useful for building headphone amps, micropower amps or line drivers. Data http://tubedata.itchurch.org/sheetsE1.html	OB	**5.00** **40 @ 4.50** **100 @ 4.00**
EL91	Equivalent to **CV136** and **CV4063**		
EL95	Valvo logo. West European made. Equivalent to 6DL5.	Most OB	**17.50** **6 @ 16.00**
EL95	Telefunken logo. West German made, NOS. <> between pins.	OB	**16.00** **12 @ 13.50**
EL95 / 6DL5	USA NOS Sylvania, Westinghouse, etc.	Most OB	**7.00** **4 @ 6.00**
EL152	Telefunken logo, NOS West German made. 6 pieces look identical. Similarities to **KT88** but 9 pin base. Data: http://www.tubedata.info/ if you have difficulty please contact our office. Chinese socket 9E2E, to fit this tube, sent as a free gift.	GVT	**50.00**
EL152	Telefunken. Similarities to KT88 but needs socket 9E2E. Data EL152: Vf=6.3V, If=1550Ma, Va=1000V, Ik=230Ma, Pa=40W.	GVT	**POA**
EL153	Telefunken. Similarities to KT88. Data: Vf=6.3V, If=1550Ma, Va=650V, Ik=230Ma, S=4Ma/V, Pa=40W.	OB/WB	**POA**
EL156	Chinese. Identical to antique Telefunken item but has octal base. Tested/guaranteed. If available.	WB	**POA**
EL156	Telefunken logo, West German NOS. 1 only. If you order this we will supply the socket to go with it free of charge. If available price approx GBP160.00.	GVT	**POA**
EL156	If you buy EL156 we will supply socket to go with it.		
EL183	These are **EL183** Philips Holland NOS. Printed only "EL183", supplied in bulk pack or egg crate. Some similarities to **EL84** & other **audio** pentodes. High gain/slope! Centre tapped heater. B9A base. Data: Vf=12.6V, If=300Ma, Va=220V, Ik=20Ma, S=25ma/V, Pa=6W. Data: http://www.tubedata.info/ if you have difficulty please contact our office.	BP	**6.00** **4 @ 4.75** **600 @ 3.50**
EL183E	Philips Holland NOS. In bulk pack or egg crate. Some similarities to EL84 & other audio pentodes. High gain/slope! Centre tapped heater. B9A base. Data: Vf=12.6V, If=300Ma, Va=220V, Ik=20Ma, S=25ma/V, Pa=6W. Data: http://www.tubedata.info/ if you have difficulty please contact our office.	BP	**6.00** **4 @ 4.75** **200 @ 3.75**
EL360	East European. Clean, tested, guaranteed.	OB/WB	**10.00** **10 @ 7.00**
EL360	Please refer to **3D21A**, alternative, not equivalent item		
EL360	Mullard logo UK NOS. Possible audio type. Data www.tubedata.org	OB/WB	**12.00**
EL360	STC UK NOS. Printed 11E14. 11E145 is equivalent to EL360. Data www.tubedata.org	OB/WB	**11.00** **5 @ 10.00**
EL360 **Grade One**	Mullard UK with logo. Tests as Grade One. Possible audio type. Small stain in glass.	G1	**5.00** **20 @ 4.00**
EL500	Mullard logo, NOS.	OB/WB	**14.00** **10 @ 13.50**
EL503	West European made. NOS.	OB/WB	**95.00** **3 @ 85.00**

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TYPE	COMMENT	BOX	£ GBP PRICE each
EL503 USED	Mullard. Tests 65 or 75 percent emission. West European made.	WB	**37.00**
EL504	Printed 6N36C 6P36S. Large size glass. Data http://www.r-type.org/exhib/acf0082.htm	WB	**9.00** **10 @ 5.50**
EL504	Mullard UK NOS with logo.	OB/WB	**14.00** **8 @ 13.50**
EL504	New Tungsram Hungary. New, clean and identical with guarantee. Deduct 25p if you accept without white box (egg crate or bulk pack instead).	WB	**9.00** **10 @ 5.50** **30 @ 5.00** **100 @ 4.50**
EL506 USED	West European, used but tested at 70 percent emission approximately and guaranteed.	WB	**18.00**
EL508	Mullard logo Holland. NOS. Audio output Pentode. Equivalent to 6KW6. Photo/ideas re audio amplifier application at www.r-type.org/exhib/aaa0326.htm	OB	**8.00** **40 @ 7.00** **100 @ 6.00**
EL509	The JJ Electronic EL509S is an octal based version of the EL509 / EL519. It has no top anode cap. The anode plate is wired to a pin on the octal base. These are rated at 700v and 42 watts anode dissipation. The JJ EL509 is often seen in OTL amplifiers. Our JJ stock has JJ logo and is new, tested, guaranteed.	OB	**30.00** **6 @ 27.50**
EL509	Mullard/Philips Holland. NOS. Tested with guarantee.	Most OB	**POA**
EL509	Philips West European made, NOS.	OB/WB	**42.00**
EL509	Svetlana, Russia. Some are Ultron logo, NOS.	WB	**22.00**
EL509 USED	Russian. Used, clean and tested with guarantee.	OB/WB	**15.00**
EL509 / 6Pi42	Real EL509 are very rare. So, consider NOS 6P42S/6Pi42 stock. These 6P2S have a different pinout to 6Pi45/EL509, but these 6P42S are fairly similar to EL509. 6Pi42/ 6P42S data from our office. Some data in English. Some in Russian.	OB/WB	**12.50**
EL519	Philips Holland. NOS. Tested.	Most OB	**POA**
EL519	Equivalent to 6N45C, 6KG6, 6P45S. Svetlana, Russian. Most have C logo. NOS. Tested guaranteed.	WB	**30.00** **8 @ 27.00**
EL519 **Grade One**	Svetlana C logo, Russian. Tested as Grade One with guarantee.	G1	**22.00**
EL802	Philips MiniWatt Holland NOS. B9A **audio** pentode. Data http://tubedata.itchurch.org/sheetsE1.html Circuit diagram for audio amplifier using EL802 www.pmillett.com/el802_spud.htm	OB	**8.00** **20 @ 6.50**
EL803	Brimar NOS.		**12.00**
EL803S	Telefunken logo NOS <> West German.	OB	**15.00**
EL821	Mullard. UK.	OB/WB	**5.00** **20 @ 4.50**
EL821	Should be plenty in stock. Please refer to 6CH6.		
EL821	Please refer to **6CH6** for special offer prices.		
EL822	Mullard logo UK NOS. Suits many applications including audio. Partly similar to EL84.	Most OB	**11.50** **10 @ 10.00** **50 @ 9.00**
EL822	Please see **EL84 / EL822.**		
EL3010-R	NOS tube, probably West European made. With a black base. Printed only "EL3010-R". Audio pentode. (Compare to Telefunken West German EL3010, with metal base).	WB	**36.00** **3 @ 30.00**
ELL80	Western European made NOS. Mullard, Brimar, Valvo etc.	OB/WB	**20.00** **5 @ 18.00**
ELL80 / QQV03-10	These are QQV03-10 Mullard logo, UK/Holland QQV03-10. QQV03-10 are double tetrode output tubes with similarities to ELL80. They work with output transformers designed for EL84 or 6V6. Free data available.	OB/WB	**5.75** **40 @ 5.00** **80 @ 4.20** **200 @ 3.50**
EM1	West European. NOS, eg Mullard 3 pieces.	Most OB	**40.00**

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TYPE	COMMENT	BOX	£ GBP PRICE each
EM1 USED	West European. Used, tested, eg Mullard 4 pieces.	WB	20.00
EM4	Philips NOS.	OB/WB	40.00
EM4 USED	Some Philips, some Tungsram. Used, not new but tested/guaranteed.	WB	16.00
EM34	Mullard logo, UK NOS.	OB/WB	80.00
EM34	Clear glass by Zaerix and other Russian made. Possibly 6 pieces.	OB/WB	50.00
EM34 Grade One	Mullard logo red paint. Test as new, looks Grade One but almost new appearance. Possibly 6 pieces.	G1	60.00
EM34 USED	Mullard red paint. Tested working used, decent appearance. Possibly 6 pieces.	G1	30.00
EM35 / Y63 / CV1103	Magic eye. GEC & other UK made NOS. Octal base tested new and unused. Some similarities to EM34 but not equivalent.	GB	14.00 12 @ 11.00
EM80	EI logo, Yugoslavian EI made. NOS. Limited quantity.	WB	13.00 40 @ 12.00
EM81	EI NOS Yugoslav made NOS.	WB	13.00 40 @ 12.00
EM81	West European, NOS. 10 Mullard + 1 Telefunken.	OB/WB	22.00 10 @ 20.00
EM84	Mullard, Amperex, West Europe. NOS.	OB/WB	14.00 8 @ 12.20
EM84	10 x EI Yugoslav and 8 x Chinese. New tested guaranteed.	OB/WB	10.00 18 @ 9.20
EM85	Mullard & other West European NOS.	OB/WB	40.00
EM87	Mullard & other West European NOS.	OB/WB	10.00
EMM801	Telefunken West German NOS <>. Usually available.	OB/WB	50.00
EN10	UK/USA NOS. Good quantities in stock. Please enquire.	Most OB	POA
EN31	Mullard logo UK NOS. Gas filled thyratron. Great appearance.	Most OB	8.00 20 @ 7.00
EN32	Mullard logo UK NOS. Equivalent to PL6574, 6574, TGL12079.	Most OB	8.00 20 @ 7.00
EN92	UK/USA NOS. Good quantities in stock. Please enquire.	Most OB	POA
EN93	UK/USA NOS. Good quantities in stock. Please enquire.	Most OB	POA
ESU74	GEC UK NOS. Huge audio rectifier, slightly similar to 872A 21cm tall. A giant ES base. Filament voltage 4V. Filament current 12A. Max mean anode power 100W. Max PIV 65kV. Min total emission 2.5A.	OB/GB	20.00 16 @ 15.00
EY51 / 6X2	West European made Siemens NOS. West European made Siemens NOS. High Voltage Rectifier, suits oscilloscopes. Data: http://www.tubedata.info/ if you have difficulty please contact our office.	OB	3.00 5 @ 2.2 300 @ 2.0
EY84	Mullard UK NOS, with logo. Audio rectifier. Slow warm up rectifier with high pulse properties similar to 6D22S & A2272. Data Vf=6.3V, If=1000Ma, Va=500V, Ik=150Ma. B9A base. More data /www.r-type.org/exhib/aaa0230.htm.	OB/GVT	5.00 4 @ 3.50 100 @ 3.00 300 @ 2.50 900 @ 2.00
EY86 / EY88	East European, NOS.	Mostly GVT	2.50 10 @ 1.50 100 @ 1.30
EY86 / EY88	West European, NOS. Mullard, Valvo etc.	Mostly GVT	3.50 8 @ 3.00 100 @ 2.30
EZ11	Telefunken logo. West German, NOS, tested guaranteed.	OB	25.00 4 @ POA
EZ11 USED	Telefunken logo. West German. Tested guaranteed. 50 pieces the same. Socket to fit this tube, ref SOC10Y, in stock	WB	12.50 25 @ 9.50
EZ11 Grade One	Grade 1 Telefunken logo. Please enquire.	OB	POA

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TYPE	COMMENT	BOX	£ GBP PRICE each
EZ35	Refer to **6X5GT.**		
EZ40	Cifte France, NOS.	OB/GB	**4.00** **20 @ 3.50** **100 @ 3.00**
EZ40	Audio rectifier. Tungsram logo, Hungary NOS guaranteed. Similarities to 6X4 and EZ81 but different base. Socket to fit this tube, 89sks, in stock. **6X4**: Vf=6.3V, If=600Ma, Va=325V, Ik=70Ma **EZ41**: Vf=6.3V, If=600Ma, Va=350V, Ik=90M More data in EZ41 section below.	OB/WB	**3.00** **6 @ 2.34** **30 @ 2.20**
EZ40	Audio rectifier. CIFTE logo, Made in France, West Europe. Similarities to 6X4 and EZ81 but different base. Socket to fit this tube, 89SKS, in stock. Data: http://www.tubedata.info/ if you have difficulty please contact our office.	OB/WB	**4.00** **10 @ 3.34** **100 @ 3.00**
EZ40A	Audio rectifier. CIFTE logo, Made in France, West Europe. Similarities to 6X4 and EZ81 but different base. Socket to fit this tube, 89SKS, in stock. Data https://www.radiomuseum.org/tubes/tube_ez40a.html	OB	**3.00**
EZ41	Mullard logo UK / Holland. NOS. Audio rectifier. With guarantee. Similarities to 6X4 and EZ81 but different base. Socket to fit this tube, ref 89SKS, from our stock. Data www.tubedata.org	OB/WB	**5.50** **100 @ 4.50**
EZ41	Most are Philips UK / Holland. Mullard UK NOS. All with logo Guaranteed. Audio rectifier. Similarities to 6X4 and EZ81 but different base. Socket to fit this tube, 89SKS, in stock. Data: http://www.tubedata.info/ if you have difficulty please contact our office.	OB/WB	**5.50** **100 @ 4.50**
EZ80	Brimar UK made NOS.	OB/WB	**20.00**
EZ80	New East European, tested.	OB/WB	**12.00** **10 @ 11.00**
EZ80	Mullard logo, some French made, some made in Holland NOS. Tested guaranteed.	Most OB	**18.00** **10 @ 14.00** **50 @ 13.00**
EZ80	Mullard UK. NOS.	OB/WB	**20.00** **10 @ 18.00**
EZ80	Mullard logo UK / Holland made NOS. D or square getter.	OB/WB	**22.00** **4 @ 17.50**
EZ80	Mullard logo UK / West Euro made NOS.	OB/WB	**20.00** **4 @ 15.00** **30 @ 18.00**
EZ80 **Grade One**	Brimar UK made. Test as Grade One. Do not look new but look decent. Guaranteed.	G1	**15.00**
EZ80 **Grade One**	Mullard logo UK made. Test as Grade One. Do not look new but look decent. Guaranteed.	G1	**15.00** **8 @ 12.40**
EZ80 USED	Mullard logo, West Euro/UK made, tested working. A few are square getter.	OB/WB	**10.00**
EZ81	Mazda UK or Brimar UK NOS.	OB/WB	**25.00**
EZ81	USA. NOS. GE Sylvania etc.	Most OB	**18.00** **8 @ 25.00**
EZ81	Mullard logo, UK NOS. Usually available.	OB	**50.00**
EZ81	Mullard logo, UK NOS. Square getter or D getter.	OB	**60.00**
EZ81	NOS, 4 of each: Electro-Harmonix Russia, Mazda Japan, Tesla Slovakia, Westinghouse USA. 4 mixed brands.	OB/WB	**18.00** **4 @ 17.00** **20 @ 16.00**
EZ81	RFT made, some are printed Zaerix, East German. NOS, tested, guaranteed.	OB/WB	**17.50**
EZ81 **Grade One**	Grade 1 test near NOS but signs of being lightly used. 4 x Brimar foreign, 10 x Sylvania USA, 6 x Japanese includes	OB/WB	**18.00** **4 @ 17.00**

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TYPE	COMMENT	BOX	£ GBP PRICE each
	Mazda.		20@ 16.00
EZ81 Grade One	Mullard logo UK. Tested as grade 1. Not new appearance but decent appearance. Guaranteed. Square getter or D getter.	G1	25.00 4 @ 23.00
EZ81 Grade One	USA made Sylvania with logo. Not new appearance but decent appearance. Test very strong. Guaranteed.	G1	11.00 10 @ 10.00
EZ81 USED	Brimar logo. West euro made. Tested guaranteed.	WB	9.00 10 @ 7.00
EZ81 USED	Mazda UK, or Brimar UK. Used, tested.	WB	12.00
EZ81	Please consider lower power **6X5GT** as an alternative, not equivalent. EZ81 is B9A base, 6X5GT is octal base. EZ81 is rare, 6X5GT we have plenty.		
EZ90	Please refer also to **6X4.**		
EZ90 / 6X4	Mullard logo EZ90 UK NOS. Tested.	OB/WB	36.00 4 @ 30.00
EZ90 / 6X4 Grade One	10 pieces Mullard EZ90 UK. Tested as new but sold as Grade 1. UNUSED with clean original Mullard logo. The getter doesn't look perfect so sold here at Grade 1 price D getter.	G1	25.00 10 @ 22.00
EZ150	Telefunken West German. NOS. Similar to 5U4G but has different heater and base. We will send free gift sockets, to fit this valve. Guide price GBP135 wholesale.	GB/WB	POA
F2A	NOS. Small quantity.	OB/WB	150.00
F2A Grade One	Siemens West German. GBP90 wholesale if available.	G1 box	POA
F2A USED	Siemens West German. Used and test only 50 or 60 percent emission hence the low price. Decent appearance and guaranteed.	WB	50.00 2 @ 47.50
F2A11 USED	Siemens West German. Used, tested, guaranteed. Not new but looks decent. For data refer to F2a section, above.	WB	75.00
F410 USED	These F410 have many similarities to PX25. Philips West Europe F410. Used not new appearance but decent appearance. Tested/guaranteed. B4 socket, to fit, from stock. F410 data: http://tubedata.itchurch.org/sheetsF.html Vf=4,0V, If=2000Ma, Va=550V, Ik=45Ma, S=4,0Ma/V, Pa=25W.	WB	120.00 2 @ 115.00
FC4	Mullard, UK NOS.	OB	20.00
FC13	Mullard, UK NOS. With gold metalizing.	OB	20.00 12 @ 15.00
FC13C	Mullard, UK NOS. With gold metalizing.	OB	25.00 10 @ 20.00
FW4-350	Mullard logo UK NOS. Some black anode, some grey anode. Some black base, some brown base.	Most OB/WB	55.00 2 @ 50.00
FW4-500	Mullard logo UK NOS. Some black anode, some grey anode. Some black base, some brown base. Some printed CV1264, some have other print. Sets of 2 pieces identical appearance. This item has become rare.	Most OB/ GVT	70.00
FW4-800	**Or U18** GEC / MOV / Osram UK, NOS. 5 pieces of mixed appearance.	OB/WB	180.00 5 @ 170.00
FW4-800	Mullard UK NOS. Some black anode, some grey anode. Some black base, some brown base. This item has become rare.	Most OB/ GVT	70.00
FW4-800	FW4-800 or U18 GEC / MOV / Osram UK, NOS. Very limited quantities.	Most GB	220.00
FW4-800 USED	Mullard UK, used, tested, good appearance. Some black anode, some grey anode. Some black base, some brown base.	WB	60.00 4 @ 55.00
FX2535	EEV, UK NOS. Similarities to 4C35 although not an equivalent.	GVT	240.00 4 @ 200.00
G55-1K	UK/USA NOS. Good quantities in stock. Please enquire.	Most OB	17.00 Bulk @ POA
G240-2D	UK/USA NOS. Good quantities in stock. Please enquire.	Most OB	POA

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TYPE	COMMENT	BOX	£ GBP PRICE each
G400-1K	UK/USA NOS. Good quantities in stock. Please enquire.	Most OB	**POA**
GC10-4B	West European made NOS.	OB/WB	**25.00** **10 @ POA**
GC12-4B	UK NOS. If available…	WB	**POA**
GC10-B	Equivalent CV2271. UK made NOS.	OB/WB	**20.00** **12 @ 15.00**
GD105A	NOS. UK or USA. Several in stock.	OB/WB	**10.00**
GD105AS	NOS. UK or USA. Several in stock.	OB/WB	**10.00**
GD150A	NOS. UK or USA. 20 in stock.	OB/WB	**10.00**
GDT120T	NOS. UK or USA. Several in stock.	OB/WB	**10.00**
GDT4B	NOS. UK or USA. Several in stock.	OB/WB	**10.00**
GEX541	USA or UK made. NOS. semiconductor diode.	OB/WB	**4.20** **70 @ 3.40**
GEX541 **USED**	Mullard power rectifier diode. Used. For you to test. 90 day guarantee.		**1.80** **8 @ 1.60** **50 @ 1.30**
GI-2B	NOS. Made in Russia. Pulse Planar Triode NOS. 3.2GHZ frequency, 9cm band. (Note the 2nd letter is I for India) Data http://scottbecker.net/tube/index.html	GVT	**30.00** **20 @ 20.00**
GN4	ITT NOS Nixie tube. Clear glass. Data the same as GN4A, except these are clear glass http://www.r-type.org/exhib/aaa1631.htm	WB	**12.00** **5 @ 10.00**
GN4A	ITT NOS Nixie tube. Clear glass. Data http://www.r-type.org/exhib/aaa1631.htm	WB	**12.00** **7 @ 10.00**
GN4D	ITT NOS Nixie tube. Clear glass. Data maybe similar to GN4A. http://www.r-type.org/exhib/aaa1631.htm	WB	**10.00** **5 @ 8.00**
GN4 / NL5965	These are NL5965. National NOS Nixie tube. Clear glass. The general appearance is similar to GN4. Can anyone help with data? Our data search continues on this item.	GVT	**10.00** **9 @ 7.50**
GN4P	ITT NOS Nixie tube. Red glass. Data maybe similar to GN4A. http://www.r-type.org/exhib/aaa1631.htm	WB	**10.00** **4 @ 8.00**
GN13A	ITT NOS Nixie tube. Clear glass. Flying lead / wire ended. Data https://www.radiomuseum.org/tubes/tube_gn13a.html	WB	**12.00** **5 @ 10.00**
GR10A	NOS. Seems to be a Dekatron. UK or USA.	OB/WB	**10.00** **20 @ 8.00**
GR10AK	NOS. CV5291. Seems to be a Dekatron. UK or USA.	OB/WB	**15.00** **5 @ 12.00**
GR10MU	NOS. UK or USA.	OB/WB	**20.00** **20 @ 16.00**
GS4V	Russian Generator triode. Titanium-ceramic. Forced air heater 6v at 0.5A. Anode 200v. gm is 18ma/v. Output power 15w. Operating frequency 7500 mhz.	GVT	**3.00** **100 @ 2.40**
GS10C	NOS. UK or USA. Dekatron.	OB/WB	**8.00** **20 @ 6.00**
GS10D	NOS. UK or USA Dekatron.	OB/WB	**8.00** **8 @ 6.00**
GS10H	Hivac UK NOS. Clean and guaranteed. A counting tube. Data/photo www.r-type.org/articles/art-132.htm If nixie tubes interest you then these will probably interest you too.	WB	**12.00** **10 @ 10.00** **20 @ 8.00**
GS12D	NOS. UK or USA. Several in stock.	OB/WB	**10.00**
GS17A	NOS. UK or USA. Several in stock.	OB/WB	**10.00**
GS18	NOS. UK or USA. Several in stock.	OB/WB	**10.00**
GS50	UK. NOS. Rank logo. Photo cell.	OB	**14.00** **8 @ 11.00**
GS50	NOS. UK or USA. Several in stock.	OB/WB	**10.00**
GT1C	GEC UK NOS. Heater 4v @ 1.3A, CV1128 NGT2 argon filled relay tube, capable of controlling 1 amp B5 socket to fit, from stock.	GVT	**7.50** **20 @ 5.00**

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TYPE	COMMENT	BOX	£ GBP PRICE each
	Data: http://www.tubedata.info/ if you have difficulty please contact our office.		
GU-50	NOS. Made in Russian. GU-50 is a power pentode. Useful in audio amps, both in single-ended and push-pull modes. Originally intended for 50 Watt operation in linear RF 120 MHz. Russian print is ry50. GU-50 is exact equivalent to Telefunken LS-50. LS50 data http://scottbecker.net/tube/index.html If you buy these we can direct you to a supplier of sockets.	GVT	**10.00**
GU-50	NOS. MOV & other UK made. Near equivalent to: AU6, CV1072, CV1626, DCG1.5-250, ESU101, NU16, RG1-240A, RG250/1000, VU72. GU50 UK is no relation to Russian GU50 or Telefunken LS-50. GU50 UK data http://www.tubecollector.org/gu50.htm	OB/WB	**25.00**
GU81M / GU81M	When available. Huge Russian NOS pentode. Suits broadcasting, audio, medicine, induction heating (eg hardening of cutting tools, plastic industry, curing food). Guide price GBP50 wholesale.	OB/WB	**POA**
GXU50	GEC UK NOS.	OB	**20.00**
GXU50SS	Solid State. UK NOS. GXU50SS are similar to 3B28 but GXU50SS have B4 base and 4V heater. Half wave audio rectifier. Data: Vf=4V, If=3000Ma, Va=1800V, Ik=250Ma. These are GXU50SS. Solid state equivalent, not glass.	OB/GVT	**10.00** **50 @ 7.50**
GZ30	Brimar logo foreign made, NOS.	WB	**6.5** **10 @ 5.50** **100 @ 4.50**
GZ30	Mullard logo, UK. NOS. GVT	GVT	**44.00** **8 @ 37.00**
GZ30 / 5Z4GT	Mullard NOS valve tube. Russian made tubes printed & branded by Mullard in the 1980's. NOS & test as NOS.	OB/WB	**25.00** **4 @ 20.00** **20 @ 17.50**
GZ30 **Grade One**	Mullard logo, UK made. Grade One, lightly used & test strong in the green zone but not tested as perfect NOS.	G1	**33.00** **8 @ 28.00**
GZ30 **Grade One**	Mullard UK, tested.	G1	**22.00** **5 @ POA**
GZ30 USED	Mullard logo, UK. Used, tested, decent appearance guaranteed.	WB	**22.00** **4 @ 17.50**
GZ30	Equivalent to **5Z4G**.		
GZ32	Brimar logo Russian NOS. Suitable up to 125Ma and 350V. Shoulder shape, black Bakelite base. Tested with guarantee.	OB	**16.00** **12 @ 15.00**
GZ32	Brimar logo Russian NOS. Suitable up to 125Ma and 350V. Straight shape, black Bakelite base. Tested with guarantee.	OB/WB	**12.00** **50 @ 10.00**
GZ32	French manufacture, and are new, tested, and guaranteed. All of these are the same, some are Miniwatt logo and some are Mazda logo. (GZ34 Mullard extinct, GZ37 Mullard difficult to find). Consider GZ32 near equivalent.	OB/WB	**33.00**
GZ32	Mullard logo, UK NOS. Shouldered shape, tested, guaranteed.	WB	**82.50** **4 @ 77.50**
GZ32	Mullard logo NOS. Made by Philips in Holland or France. Shoulder shape. Slightly smaller than Mullard UK GZ32.	WB	**33.00**
GZ32	Haltron foreign NOS. Suitable up to 125Ma and 350V. Coke bottle / ST shape, tested with guarantee.	WB	**16.00** **6 @ 13.00** **20 @ 11.00** **100 @ 9.00**
GZ32 **Grade One**	Mullard logo UK. Shouldered shape, tested, guaranteed. Test near to new, look decent but don't look new. Sold as Grade 1.	G1	**60.00** **8 @ 50.00**
GZ32 USED	Mazda & other French made. NOS. Straight sides. Large size, handles full power. Tested, guaranteed with logo.	OB/WB	**23.00**

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TYPE	COMMENT	BOX	£ GBP PRICE each
GZ32 USED	Mullard UK / Holland, Mullard logo, shouldered shape. Used and not new appearance but tested/guaranteed.	WB	**32.50**
GZ32	Please refer to **5V4G** exact equivalent and **5Y4GA** very near equivalent. Both are less than half the price of GZ32 Mullard!		
GZ32	Please refer to **25Z6GT** for a fantastic low cost alternative, not equivalent with a different heater voltage.		
GZ32 / 5V4G	**These are 5V4G** STC / Brimar logo UK. NOS. Shoulder ST shape.	GVT	**POA**
GZ32 / 5V4G Grade One	Brimar logo. 5V4G test as Grade 1. ST shape. With guarantee.	G1	**27.00 4 @ POA**
GZ32 / 5V4G USED	These are 5V4G Brimar logo UK. Used tested. Small stains in glass.	WB	**POA**
GZ32 / 25Z6GT	These are 25Z6GT, 100 RCA, 1900 National Union logo USA NOS clean, uniform appearance and guaranteed. Octal half-wave rectifier. Data: Vf=25V, If=300mA, Va=235V, Ik=150mA. Not equivalent to GZ32 etc. but a low cost alternative to 5V4G, GZ32 and GZ37 which wholesale around GBP25.00 each. Data http://tubedata.itchurch.org/sheets22.html	GVT	**2.00 10 @ 1.00 2,000 @ 0.75**
GZ33	Mullard, UK.	OB/WB	**70.00**
GZ33 Grade One	Mullard, UK. Grade One.	G1	**52.00**
GZ34	Mazda logo. Japanese made. NOS. Reliability and rugged modelled after famous USA brands like GE or RCA. Tested Guaranteed.	OB/WB	**65.00**
GZ34	A solid-state rectifier that replaces tubes 5AR4, GZ34, 5Y3 & 5U4G. NOS. Guaranteed.	WB	**8.00 25 @ 6.00**
GZ34	BILLINGTON GOLD logo, Chinese. Red, blue, gold. With guarantee. Good quality tested item.	OB	**17.00 30 @ 16.00**
GZ34	Chinese. Guarantee. NOS. Some are stock and some are 3 week's delivery.	WB	**15.00 30 @ 13.00**
GZ34	Japanese made. NOS. Reliability and rugged modelled after famous USA brands Tested Guaranteed.	OB/WB	**60.00**
GZ34	JJ NOS 5AR4. New, tested and guaranteed.	OB/WB	**25.00 6 @ 20.00**
GZ34	Mullard NOS with large base, or double D getter. Guide price if available GBP250 wholesale. Mullard NOS with metal base, if available GBP400 wholesale.	OB	**POA**
GZ34	Mullard UK/Holland with normal base and single ring getter. NOS.	OB/WB	**150.00 8 @ 125.00**
GZ34	Sovtek 5AR4. New and guaranteed.	WB	**25.00 10 @ POA**
GZ34	USA NOS. GE, RCA, Westinghouse.	OB/WB	**65.00 3 @ 60.00**
GZ34	Consider alternative, not equivalent rectifier **25Z6GT**. 25Z6GT has a different heater voltage, etc. but it is many, many times cheaper than GZ34.		
GZ34 / 5Z4GT	SOLD – please enquire.		**POA**
GZ34 / 25Z6GT	These are 25Z6GT, 100 RCA, 1900 National Union logo USA NOS clean, uniform and guaranteed. Octal half-wave rectifier. Data: Vf=25V, If=300mA, Va=235V, Ik=150mA. A low cost alternative to GZ34 (not equivalent.). GZ34 Mullard are GBP100 each but impossible to find. Consider 25Z6GT alternative. Data http://tubedata.itchurch.org/sheets22.html	GVT	**2.00 10 @ 1.00 2,000 @ 0.75**
GZ34SS	These are GZ34SS, similar to 5U4G and GZ34 but are a solid-state rectifier that replaces tubes 5AR4, GZ34, 5Y3 & 5U4G. NOS. Guaranteed. Once existing stock is sold, the price is likely to double as current manufactured items cost more than stock we bought years ago. Believed to be UK made.	WB	**8.00 25 @ 6.00**

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TYPE	COMMENT	BOX	£ GBP PRICE each
GZ34 **Grade One**	GEC sticker made in Japan. In our opinion this tube is unused! No stains or other signs of usage but the getter is a little bit "rainbow" at one edge, so price is reduced. Tested and guaranteed. After the GEC factory closed in the late 70s/early 80s they bought tubes from other factories, eg Japan, and tested them at GEC MOV and added GEC logo or sticker.	G1	**57.50** **4 @ 45.00**
GZ34 **Grade One**	Mullard UK/Holland with normal base. Tests new but a small stain in the glass, hence sold at Grade 1 price.	G1	**100.00**
GZ34 **Grade One**	Mullard UK/Holland with normal base and single ring getter.	OB/WB	**90.00** **4 @ 80.00**
GZ34 **Grade One**	Mullard made in UK. Big base. Double ring getter. Test as Grade One. Small stain in glass, but good print and decent appearance.	G1	**150.00**
GZ34 **Grade One**	Mullard logo. UK/Holland with metal base. Grade One, some stain in glass. Guide price GBP250 wholesale.	G1	**POA**
GZ34 **Grade One**	Telefunken, tests NOS with original logo mostly intact. Looks slightly dusty, but tests near new.	G1	**175.00** **2 @ 160.00**
GZ34 **USED**	Mullard logo, UK with normal base. Used, fully tested, working, guaranteed. Some glass stains. Do not look new, but look decent.	WB	**POA**
GZ34	Refer to 5Y3GT which may substitute for GZ34 in some applications. Please review exact data at tubedata.itchurch website.		
GZ37	Mullard logo UK. NOS.	OB/GVT	**85.00**
GZ37	Genuine Mullard UK item, but military print, instead of Mullard logo. NOS.	GVT	**83.00** **20 @ 77.00**
GZ37	Please refer to **25Z6GT** for a fantastic low cost alternative, not equivalent with a different heater voltage.		
GZ37	Please refer to PY32 and PY33 for possible alternative, not equivalent different heater volts etc.	OB/WB	
GZ37 / CV378 **Grade One**	Mullard logo UK. Tested as Grade One. Small stains in the glass, not new appearance, but decent appearance.	G1	**77.00** **8 @ POA**
GZ37 / CV378 **USED**	Mullard logo UK. Tested/guaranteed. Some have spigot repair, meaning the spigot was broken and replaced with a black plastic piece. The repair is invisible when the valve is in equipment. Some have good spigots but black stains in the glass. All tested & guaranteed.	WB	**55.00** **8 @ POA**
GZ37 / 53KU **Grade One**	Cossor logo UK. Tested as Grade One. These are used, not new appearance but tested guaranteed good print and decent condition. They are printed 53KU. These are the same shape etc as Mullard GZ37, they are not fat bulbous antique GEC/Cossor made version.	WB	**POA**
GZ41	Please refer to 6X4 / GZ41.		
H63	GEC sticker or Osram logo. NOS, UK. Audio type with many similarities to 6J5G/L63. These are H63 octal base triode, shoulder shape. H63 Tube Data: Vf=6,3V, If=300Ma, Va=250V L63 Tube Data: Vf=6,3V, If=300Ma, Va=250V, Ik50	OB/WB	**15.00**
H63	Please refer to 6F5GT. Audio triode wanted in Asia/USA. RCA, GE, Sylvania and Westinghouse. NOS and logo. Hundreds of 6F5GT in stock.		
HABC80 / 19T8	USA NOS. Please enquire about bulk prices.	Mostly OB	**2.20**
HIVAC	Please refer to **CV2213, CV2293, GEC12, GS10** etc.		
HL2	Or equivalents such as AR11, 3A-107B, PM2HL, PM1HF, PM1LF, PM2DX, CV1673, 210HL, 210HF or 201LF. 1 or 2 of each. All UK made NOS. DHT – directly heated triode.	OB/WB	**35.00** **8 @ 30.00** **40 @ POA**
HL2	Or PM2HL or CV1673 or 210HL or 210HF. 5 pieces UK. Test as Grade 1 (Used, good appearance, over 80 percent emission).	OB/WB	**25.00**
HL2	Or PM2HL or CV1673 or 210HL or 210HF. 5 pieces UK. Test as Used (approx 65-75 percent emission)	WB	**15.00**
HL2 / HL2K	These are VT50 GEC straight shape. NOS tested.	WB	**45.00**

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TYPE	COMMENT	BOX	£ GBP PRICE each
	Made in England. CV1050 VT50 military specification. Long silver anode, foil getter.		8 @ 35.00
HL4 / HL4G	Tungsram West European made. ST shape. Some gold metallising, some grey metallising, please advise your preference. NOS. Equivalent to MH4. B5 base Data http://www.r-type.org/exhib/aby0006.htm and http://www.r-type.org/exhib/aac0037.htm	Most OB	37.00 5 @ 33.00
HL13C / HL1320	STC logo, vintage UK, NOS. HL1320 is a high gain (mu=30), audio triode signal tube with a B7 British base. Sockets to fit from stock refer 7PT4 or 7PT4C. Heater 12.6v @ 0.2a, anode 250v, mutual conductance 3, amplification factor 30. This audio triode is equivalent to CV1670. Tested/guaranteed. Data http://tubedata.tubes.se/index.html Photo/data www.tubecollector.org/cv1670.htm	OB	13.00 10 @ 12.00 60 @ 102.00
HL22	Mazda NOS. UK made. Please enquire for a price.	OB/WB	Stock
HI23	Mazda NOS. UK made. Please enquire for a price.	OB/WB	Stock
HL23DD	GEC & other UK made NOS. A triode double diode. Nice 1940s vintage AR8, HL23DD, CV1306 tubes. Triode has mu (gain) of 25, heater is 2 volts at 50 ma. These valves are new, tested/guaranteed. Some look a bit store soiled. But all look decent. Mazda octal socket to fit these valves, in stock, reference SOC89MC. Data www.r-type.org/exhib/aahoo13.htm	GVT	4.00 200 @ 3.00
HL41	Mazda, UK. Audio triode. Usually available.	OB/WB	12.00
HL41DD	Mazda, UK NOS. Audio triode diode.	OB/WB	12.00
HL210	Mixed UK brands. NOS. 2 pieces.	OB/WB	35.00
HL210	MOV equivalent. NOS UK.		50.00
HL210 USED	Mixed UK brands. Used, tested. 3 pieces.	OB/WB	35.00
HL210 USED	MOV equivalent. UK, tested.		20.00
HLDD1320	NOS. Double Diode Triode. Data www.tubedata.org	OB/WB	10.00
IN-4	Alias 1N4, Russian NOS Nixie tube. These are in original military bulk pack. There might be information about this tube at https://groups.google.com/forum/#!forum/neonixie-l	WB	4.20 35 @ 2.50
IW4-350	Brimar, MOV and STC – UK made NOS. Similar to MU14, U14, etc.	OB/WB	15.00
IW4-350 Grade One	Brimar, MOV and STC – UK made NOS. Similar to MU14, U14, etc. Tests as Grade One.	G1	9.50
IW4-500	Brimar, MOV and STC – UK made NOS. Similar to MU14, U14, etc.	OB/WB	15.00
IW4-500 Grade One	Brimar, MOV and STC – UK made NOS. Similar to MU14, U14, etc. Tests as Grade One.	G1	9.50
K347A	EEV UK NOS. New, unused, guaranteed. Believed to be 1990s manufacture. An EEV amplifier klystron. Pulse operation 600 Kw output power peak. Tuning range 580-615 MHz. More data from our office on request. Prices negotiable. Government/military box.	GVT	POA 2 @ POA
KR242 / RS242	These are KR242 KR logo NOS. Very near equivalent to RS242. Made in Czech Republic by KR Audio, UX4 base. We can advise you where to purchase adapters to convert UX4 to B4. Estimated price is 375GBP per tube, please ask for confirmation. Data http://frank.pocnet.net/vademecum4.html	OB	POA
KT2 / VR118	MOV UK NOS. Shoulder shape. Audio type. Equivalent to PEN220 and PM22. Pdf data: http://www.r-type.org/exhib/aag0451.htm	OB/WB	15.00 20 @ 12.00
KT8C	MOV UK NOS.	OB/WB	50.00
KT8C USED	MOV UK test as used. Guaranteed.	WB	POA
KT33C	GEC or Marconi UK NOS. Sets of 2 pieces same brand & same appearance. With sticker/logo. Tested/guaranteed. Some similarities to KT66. Data: http://www.tubedata.info/ if you have difficulty please contact our office.	OB/WB	16.00 4 @ 14.00 20 @ 12.00
KT33C	GEC / Marconi UK NOS. With sticker/logo. Tested/guaranteed. **Singles, not sets of 2 pieces of the same appearance.**	OB/WB	12.00 4 @ 10.00

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PLEASE ADD 50 PERCENT RETAIL SURCHARGE FOR ORDERS UNDER GBP240.

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TYPE	COMMENT	BOX	£ GBP PRICE each
			20 @ 8.00
KT33C Grade One	GEC / Marconi UK. Test as G1. Look decent, do not look new. With sticker/logo. Guaranteed. Sets of 2 or 4 pieces of the same appearance.	G1	12.00 4 @ 9.00
KT33C Grade One	GEC / Marconi UK. Test as G1. Look decent, do not look new. With sticker/logo, guaranteed. Singles. Not sets of 2 pieces of the same appearance. Data in NOS KT33C section above.	G1	12.00 4 @ 10.00
KT36	GEC / Marconi / MOV, UK NOS. With sticker/logo. Tested/guaranteed. Possible audio type.	OB/WB	9.00 40 @ 7.00
KT41	MOV. UK made. NOS. Please enquire for price. Equivalents: AC2-PEN, APP4B, PENA4, PT4.	OB/WB	16.00 8 @ 14.00 100 @ 12.006p25
KT41 USED	MOV. Used and Tested. Please enquire for price.	WB	8.00
KT44	MOV / Marconi UK manufacture, audio pentode, with some similarities to KT66, KT88.	Most GB	30.00 4 @ 27.00
KT44 USED	Tested guaranteed. 2 GEC sticker. 2 MOV logo. 2 Marconi sticker. 2 black anode, 2 grey anode. UK made, audio pentode. Partly similar to KT66.	WB	12.00 10 @ 9.50
KT45 USED	MOV UK. Used, tested. 8 pieces. Enquire about NOS.	WB	10.00 8 @ 8.00
KT45	MOV UK NOS tested. 4 pieces.	OB/WB	20.00
KT61	GEC/MOV, usually available. NOS.	OB/WB	60.00 2 @ 50.00
KT61 USED	GEC/MOV.	WB	30.00
KT61	Please refer to **6P25**, which you could consider as a near equivalent. Free data available showing small difference		
KT63	GEC, MOV, Marconi sticker UK NOS. Octal audio pentode. Sets of 2 pieces identical. Data www.tubedata.org Photo http://www.r-type.org/exhib/aad0239.htm	OB/GB	45.00 6 @ POA
KT63	GEC, MOV, Marconi sticker UK NOS. Audio pentode. Singles not sets of 2 pieces, identical appearance.	OB/WB	35.00 8 @ 32.00
KT63 USED	Tested guaranteed. 2 MOV, 2 Osram, 2 GEC. All UK made and in sets of 2 same appearance.	WB	22.00
KT66	BILLINGTON GOLD Chinese manufacture. Big glass size like GEC. New guaranteed. Limited quantities.	OB	26.00
KT66	BILLINGTON GOLD logo Chinese manufacture. **Straight sides** GT shape. New, tested, guaranteed.	OB	16.00 8 @ 14.00
KT66	Chinese GEC style or GEC replica. Size and appearance is very similar to the UK GEC item. Tested/guaranteed.	BP	21.00 10 @ 20.00
KT66	GEC, please refer to KT33C for possible alternative, not equivalent.		
KT66	GEC, Osram or Marconi. UK NOS. Antique large shoulder shape. Some are printed VT75. 2 pieces are not the same appearance.	OB/WB	260.00
KT66	Marconi or Osram, with logo or sticker, UK NOS. Straight shape. Few only.	OB	190.00
KT66	GEC sticker, UK NOS. Straight shape. 8 pieces all look the same. Clear glass, brown base, test at 100 percent emission NOS.	OB	190.00 8 @ 175.00
KT66	JJ logo by Tesla, If available, approx GBP50.00 wholesale.	OB	POA
KT66	Mullard UK NOS. Printed CV1075 KB/T. Mullard made these in UK for Tungsram. Estimated 1950s made. Shoulder shape. 3 pieces look the same.	WB	100.00 3 @ 80.00
KT66	Original Marshall Gold label tubes. Chinese made. Size/design similar to vintage UK GEC KT66. New & computer tested by Marshall. Match pairs maybe available.	WB	25.00 4 @ 24.50
KT66 USED	GEC, Osram or Marconi. UK used tested. Antique large shoulder		160.00

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TYPE	COMMENT	BOX	£ GBP PRICE each
	shape. Some are printed VT75, 2 pieces of the same appearance. Test around 65 percent emission, good appearance but not new appearance		
KT66 Grade One	GEC, Osram or Marconi. UK NOS. Antique large shoulder shape. Some are printed VT75, 2 pieces of the same appearance. Test around 80 percent emission, good appearance but not new appearance.	G1 box	**250.00**
KT66 Grade One	GEC UK. Antique shoulder shape. Grade 1 (around 80 percent emission). Usually available at GBP200 wholesale.	G1	**POA**
KT66 Grade One	GEC sticker, UK Grade One. Straight shape (around 80 percent emission). Usually available at GBP120 wholesale.	G1	**POA**
KT66 Grade One	GEC sticker, UK. Straight shape. Test as Grade 1 (around 80 percent emission). 4 pieces all look the same. Clear glass, brown base. Good appearance, but not new appearance.	WB	**120.00** **4 @ 115.00**
KT66 USED	GEC sticker. UK NOS. GT shape. 2 clear glass, 2 grey glass, 2 black base, 2 brown base. All in set of 2 pieces of the same appearance. Test at least 65 percent emission. Don't look new but look decent with good GEC print. Guaranteed.	OB/WB	**90.00**
KT66	Use **5881** or **6L6GC/WGC** which are very similar.		
KT66 / 5A-102D	These are 5A-102D STC logo. UK NOS. Similar to KT66 but lower gm and 7.5v heater. Data: http://www.tubedata.info/ if you have difficulty please contact our office.	GB logo	**28.00** **6 @ 20.00**
KT66/ 5A-102D Grade One	These are 5A-102D STC logo. UK. Test as Grade 1. Data in 5A-102D NOS section.	G1	**20.00** **10 @ 15.00**
KT71	Marconi KT71 (50L6G) audio beam tetrode. Marconi / Osram with logo. UK NOS. Similarities to KT66 but has 50V heater.	OB/WB	**19.00** **5 @ 17.00**
KT74	Osram with logo. UK NOS. Similarities to KT66 but has 15V heater. Vade mecum. Data http://frank.pocnet.net/vademecum3.html	OB	**20.00** **20 @ 15.00**
KT77	JJ recent Slovakian made. New.	OB/WB	**16.00** **2 @ 15.00**
KT77	GEC sticker. NOS. Tested perfect.	OB	**300.00** **2 @ 280.00** **4 @ POA**
KT77	GEC sticker. NOS. Tests slightly less than perfect NOS, but is still a NOS tube. Guaranteed. 1 only. Perfect item would be GBP300.	OB	**240.00**
KT77	GEC sticker, unused. Look nearly new but test at approx 70 percent emission.	WB	**150.00** **4 @ 130.00**
KT77	Gold Lion logo, 2018 Russian made. New, tested. 3 match pairs. The price shown is for one tube red/gold.	OB	**60.00** **2 @ 55.00**
KT77	Gold Lion logo, 2018 Russian made. New, tested. Not a match pair, red/gold.	OB	**50.00** **2 @ 45.00**
KT81	GEC, Marconi & Osram. Equivalent to 7C5. UK NOS. Near equivalent to 6V6GT but different base. 7C5 is loctal base.	OB/WB	**20.00**
KT81 USED	GEC, Marconi & Osram. Equivalent to 7C5. Near equivalent to 6V6GT but different base, UK. Used & tested.	WB	**10.00**
KT88	BILLINGTON GOLD logo**.** Chinese. New improved design. Top quality, highly recommended. Tested, with guarantee.	OB	**40.00**
KT88	Chinese Golden Gate brand (GG). New & unused. Good audio dynamics. Cost effective power tubes for your amplifier. We offer these at a discount, as the glass bulbs are slightly off centre, some have glass rattles. This does not affect the operation of the tube. Tested & guaranteed.	WB	**16.00**
KT88	Chinese. New, tested/guaranteed. Attractive appearance, shiny chrome base. Reference KT88-98. Some people refer to this as "GEC style".	WB	**30.00**
KT88	GEC UK NOS. Not sets of 2 pieces identical appearance. The wafer & anode colour vary. Brown wafer, black wafer, grey anode, black	OB	**350.00** **4 @ 300.00**

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TYPE	COMMENT	BOX	£ GBP PRICE each
	anode. Electrical matched pair.		
KT88	GEC, UK. NOS. Sets of 2 pieces identical appearance.	OB	**400.00** **4 @ 350.00**
KT88	JJ logo new tested, guaranteed. Recent Slovakian made. Match pairs possible for a small fee.	OB	**50.00** **30 @ 47.50** **50 @ 40.00**
KT88	Psvane Chinese. New, tested/guaranteed. Attractive appearance. More available, please enquire.	OB/WB	**34.00** **20 @ 33.00** **100 @ POA**
KT88	Svetlana Russia "S" logo. 4 pieces. (For information only, Svetlana C logo. Not made since 2010).	OB/WB	**32.00**
KT88	In 1995 our agent built an amplifier using S11E12 as a near equivalent to KT88. Circuit diagram and information about amplifier is available free.		
KT88	Please refer to S11E12 STC, which is similar, but not the same. Specialist electronic modifications would be necessary to change circuit board.		
KT88 PEN46	Please refer to 11E3 for similar audio pentode, not exact equivalent.		
KT88 **USED**	GEC sticker UK made. Used clean tested. Getter may be partly brown colour.	OB/WB	**175.00** **2 @ 160.00**
KT88 USED	GEC sticker UK made. Used clean tested. Black anode. Fully Tested (Avo VCM163 tester). Book Specification for 100 percent new would be: anode current 57mA, emission 8 MA/V. Tube 1 is 50mA, 6.6 MA/V Tube 2 is 54mA, 6.7 MA/V With original GEC box.	OB	**200.00** **4 @ POA**
KT88 **Grade One**	GEC UK with GEC sticker. Tests near new, looks decent, doesn't look new. Choose: - Sets of 2 pieces same appearance but not electrical match pair, or - 2 pieces electrical match pair, but not the same appearance.	G1	**270.00** **2 @ 250.00** **4 @ 225.00**
KT88 **Grade One**	GEC UK with GEC sticker. Tests as NOS. Only run for a few hours, looks almost new except for a scratch in the base where it was plugged in. Photo available immediately, just email us. 4 pieces same appearance.	G1	**280.00** **4 @ 260.00**
KT88 / KT150	Tung-Sol USSR made. Balloon shape. These KT150 plug in to replace KT88. They are new, tested, guaranteed with logo. The manufacturer says "These are the ultimate octal beam tetrode, with 70W plate dissipation. Most powerful tube in the 6550/KT88 family, developed to improve thermal dissipation and maintain a superior vacuum for the best sound. Impervious to overload when used at parameters found in existing 6550/KT88/KT90/ circuits." 8 only in stock. Colourful OB.	OB	**99.00** **8 @ 90.00**
KT90	Electro Harmonix logo, Russian. NOS. Tested, guaranteed.	OB	**30.00** **4 @ 28.00**
KT90	EI, Yugoslavia. NOS. Very rare. Manufacture ceased 10, possibly 20 years ago. Guide price GBP40 wholesale.	WB	**POA**
KT90 **USED**	Used real EI 1990s made, EI logo. Used tested, not new appearance but guaranteed.	WB	**30.00**
KT99	Equivalent to **KT90**, **KT100** and **KT88**		
KT101 / KT66	These are KT101 MOV UK NOS with logo. A loctal base audio output beam tetrode, with similarities to KT66, but 80v heater. These KT101 can be "strapped" as a triode. With a load of 3k and a cathode resistor or 180 Ω, KT101 would generate 3.8W at 12 percent distortion. Data etc www.r-type.org/exhib/aay0030.htm	OB/WB	**20.00** **30 @ 16.00**
KT120	Tung-Sol, Russian. New. Tested, guaranteed.	OB	**45.00** **4 @ 38.00**

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TYPE	COMMENT	BOX	£ GBP PRICE each
KT150	Refer to KT88/ KT150.	OB	**POA**
KTW61	GT straight shape. UK NOS, with logo. Sets of 4 same brand / same appearance. 20 GEC, 20 MWT/Marconi, 20 Brimar UK, 20 RCA USA. Data/photo http://www.r-type.org/exhib/aaa0503.htm	Most GB	**6.00** **10 @ 5.00**
KTW61	ST Shoulder shape.UK NOS, with logo. Sets of 4 same brand / same appearance. 20 GEC, 20 MWT/Marconi, 20 Brimar UK, 20 RCA USA. Data/photo http://www.r-type.org/exhib/aaa0503.htm	Most GB	**11.00** **8 @ 10.00**
KTW62	MOV UK NOS. With logo. Data/photo http://www.r-type.org/exhib/aaa0666.htm	Most GB	**15.00**
KTW62	GT straight shape.	Most GB	**6.00** **50 @ 4.75**
KTW62	ST Shoulder shape.	Most GB	**11.00** **8 @ 10.00** **50 @ 9.00**
KTW62 **Grade One**	Mostly GEC, Grade One.	G1	**8.00**
KTW62 USED	Mostly GEC, Used.	WB	**8.00**
KTW63	GEC / MOV UK NOS. With logo. Sets of 4 pieces same brand / same appearance. Data/photo http://www.r-type.org/exhib/aaq0114.htm	GBox	**19.00** **8 @ 17.50** **More @ POA**
KTW63	GEC / MOV / Marconi, UK NOS. ST shoulder shape. A variable Mu octal pentode for audio compressors.	OB/WB	**12.00** **8 @ 11.00**
KTW63 **Grade One**	GEC, Grade One.	G1	**8.00**
KTW63 USED	Mostly GEC, Used.	WB	**8.00**
KTW63 / 6K7G	Wrongly printed KTW63 GEC. These are USA made 6K7G. All NOS. ST Shape. A variable Mu octal pentode for audio compressors.	GVT	**10 @ 5.00** **30 @ 4.00**
KTZ41	UK, NOS. GEC sticker. 40 x GT straight shape CV1698. 20 x MOV, shoulder shape. Audio pentode. Data: find link and pdf www.r-type.org/exhib/aaa1390.htm	Mostly GB	**8.00** **40 @ 7.00** **60 @ 6.00**
KTZ73	CV1343 GEC, UK NOS. An octal pentode with some similarities to EF86. Data/photo www.tubecollector.org/cv1343.htm	WB	**10.00** **100 @ 8.00**
L63	Or 6J5G UK NOS. GEC, Marconi or Osram with sticker. Grey glass, shoulder shape. Several in stock.	WB	**110.00**
L63	GEC sticker, UK NOS. Straight sides, clear glass. Guaranteed and identical.	GVT	**40.00**
L63	MOV UK NOS. Metal base or dark glass. Straight sides.	OB/WB	**55.00**
L63 **Grade One**	GEC sticker, UK. Straight sides, Grade One. When available.	G1	**POA**
L63 **Grade One**	UK made. GEC sticker. 2 pieces the same appearance/same brand. Grey glass, shouldered shape. Test as grade 1.	G1	**75.00**
L63 USED	UK made MOV. Straight shape, used and tested. When available.	WB	**POA**
L63 USED	UK made GEC sticker. Shoulder shape, used, tested 65-75 percent emission approximately, guarantee.	GVT	**50.00**
L63	Please refer to **6J5G/T**- ten times cheaper!		
L210	MOV UK NOS. Balloon shape, double triode, equivalent to 210LF and VR21.	WB	**28.00**
L5261	USA NOS. Litton made. Good quantities in stock. Please enquire.	Most OB	**POA**
L-5271	USA NOS. Litton made. Good quantities in stock. Please enquire.	Most OB	**POA**
L-5272	USA NOS. Litton made. Good quantities in stock. Please enquire.	Most OB	**POA**
LK4112	Data http://tubebbs.com/tubedata/short/054/1/111.pdf When available.	OB/WB	**POA**
LM120K-15	T03 package, a linear regulator. Printed with an in house part number 1125-00765 40 2. NOS in sealed MOD packaging but slightly store soiled. Unused and guaranteed.	GB	**18.00** **50 @ 15.00**
LP2 USED	UK. Used, tested. Like VR22.	WB	**10.00**

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TYPE	COMMENT	BOX	£ GBP PRICE each
LP220	Tungsram logo UK made. NOS, tested. Like VR22.	OB	**20.00**
LS7	GEC sticker, NOS. Shoulder shape. Data: Vf=4.0V, If=150Ma, Va=150V, Ik=21Ma, S=2.4Ma/V.	GVT	**32.00** **5 @ 25.00** **50 @ 23.00**
LS7B	UK made Marconi sticker. Audio triode. Balloon shape. NOS, tested with guarantee.	OB	**POA**
LS8A	GEC VT82 UK NOS. Balloon shape GBP70, shoulder shape GBP50. 2 or 3 of each shape.	OB/WB	**70.00**
LS9B	GEC VT80A UK NOS. Balloon shape GBP70, shoulder shape GBP50.v1 or 2 of each shape.	OB/WB	**70.00**
M503A	These are CV3997 Magnetron. CV3997 is equivalent or near equivalent to M503A 2J42 JP9-15 MG5244. NOS probably. Might be 40 or 60 years old but NOS UNUSED. Clean condition in sealed Gov't box. EEV UK NOS. (X-BAND). Data https://frank.pocnet.net/other/EEV/Magnetrons_1970.pdf	GB	**95.00** **6 @ 75.00**
M566R	CV8097 EEV UK NOS. (S-BAND PULSE). Data https://frank.pocnet.net/other/EEV/Magnetrons_1970.pdf or www.r-type.org/static/webcv03.htm, or email us.	GB	**300.00**
M569W	EEV UK [CV8001] Guaranteed. Offers invited.	GVT	**800.00**
M591B	EEV UK NOS. Guaranteed. Offers invited.	GVT	**350.00** **18 @ 300.00**
M5028	EEV UK. NOS. 2 or 3 pieces 1990s manufacture. Unused. Open to offers. You would need to test these items we cannot test them here.		**POA**
M5055	EEV UK. NOS. New / NOS. Guaranteed 6 months from date of dispatch.	OB/WB	**POA**
M5125 / M5125P	EEV UK. Similar to M5125. Enquire for data. 1990's made. 12 months guarantee.		**2,000.00** **5 @ 1,600.00**
M8100	Equivalent to **CV4010.**		
M8136	Equivalent to **CV4003/ECC82.**		
M8136	Please refer to **CV4034** Brimar and Mullard flying lead version. Bargain prices!		
M8137	Equivalent to **CV4004/ECC83.**		
M8162	Equivalent to **CV4024/ECC81.**		
M8167	Mullard equivalent to M8167 = CV471 = EL70. Potential audio type. Data available free on request or try www.tubedata.info or www.tubecollector.org	GVT	**2.30** **10 @ 2.00** **50 @ 1.70** **500 @ 1.50**
M8212	Equivalent to **CV4025.**		
Magic Eyes	We have good stock of magic eye tubes (tuning indicators) eg, TV4, 6X6 and many others. Most are West European made. NOS. Tested & guaranteed. Also see other entries in this catalogue by searching "magic". Competitive prices, please enquire, examples of our stock: 4687, EM80, EM87, EM71, EM85, Y61 Osram, Y63, ME41, PM84, EMM803, 6U5, EM81, Y63, Y65, 6E5, EM34, UM34, UM4, UM80, EM84.	OB/WB	**POA**
ME1401	Mullard, UK NOS. CV2269**.** Sub miniature triode. 25V DC anode, heater is 13ma at 1.25 volts. Use battery supply.	OB/WB	**6.00**
ME1403 / 5886 / CV2348	Raytheon USA NOS or other USA brands. Electrometer triode. Data/photos http://www.r-type.org/exhib/aaa0747.htm	OB/WB	**4.50** **5 @ 3.20** **30 @ 3.00**
MH4	UK NOS. Balloon shape. 4 pieces look the same.	WB	**65.00** **4 @ 60.00** **24 @ 52.50**
MH4	UK NOS. Shoulder shape.	OB/WB	**52.00**
MH4	UK NOS. These are CV1173 or 354V, near equivalent to MH4. Would plug in to replace MH4. Shoulder shape. Gold metallising.	WB	**37.00** **5 @ 33.00**

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TYPE	COMMENT	BOX	£ GBP PRICE each
	NOS but store soiled appearance.		
MH4 **Grade One**	UK NOS. Balloon shape. We should have 20 pieces of the same appearance. Test as Grade One.G1.	WB	**38.00** **4 @ 36.00** **20 @ POA**
MH4 USED	UK. Shoulder shape. Test as used.	OB/WB	**25.00**
MH4 / AC2-HL	UK, NOS. These are AC2-HL (near equivalent to MH4).	OB/WB	**27.50**
MH4 / HLA2	UK, NOS. These are AC2-HL (near equivalent to MH4).	OB/WB	**27.50**
MH4 / HL4	These are HL4 Tungsram West European made. Grey ST shape version NOS. Equivalent to MH4. Data http://www.r-type.org/exhib/aby0006.htm And http://www.r-type.org/exhib/aac0037.htm	OB	**37.00** **5 @ 33.00**
MH41	Marconi and GEC, UK NOS. ST shape.	OB/WB	**28.00**
MH41 **Grade One**	West Europe. Tested as Grade One.	G1	**18.00**
MH4 / 41MTL **Grade One**	These are 41MTL. They are equivalent to MH4. KK Grade One,	G1	**32.00**
MHL4	UK NOS. Straight shape.	OB/WB	**37.50**
MHL4 **Grade One**	UK. Shoulder shape. Tests as Grade One.	G1	**25.00** **8 @ 20.00**
MH41 USED	Marconi and GEC, UK. Used, tested. ST shape.	OB/WB	**14.00**
MH41 41MH	Marconi and GEC, UK NOS. Balloon shape.	OB/WB	**110.00**
MHLD6	UK NOS with logo. Shouldered ST shape. MOV, MWT, Marconi, STC. MHLD6 are similar to L63, but MHLD6 has top cap/anode cap. Data on request.	OB/WB	**17.50** **4 @ 16.00** **10 @ 14.00** **20 @ 13.00**
MKT4	MOV UK NOS. Shouldered shape. Please specify 5 pin or 7 pin version, both same prices. Audio pentode. Data http://www.r-type.org. Equivalent to AC/PEN. 10 pieces, not all are same appearance.	OB/WB	**15.00** **10 @ 12.50**
MKT4 USED	MOV UK. Used and tested. Shouldered shape. Please specify 5 pin or 7 pin version, both same prices. Audio pentode. Equivalent to AC/PEN. 10 pieces, not all are same appearance.	OB/WB	**7.50** **10 @ 6.00**
ML4	GEC UK made. NOS, tested. Shouldered shape. Grey glass, black anode, solid getter. 5 pin base. Audio pentode.	GBOX	**40.00** **10 @ 35.00**
ML4	UK. NOS balloon shape. When available	OB/WB	**80.00**
ML4	MOV UK made NOS. Shoulder shape.	OB/WB	**40.00**
ML4 **Grade One**	Marconi logo or GEC sticker. Tests as Grade 1.	G1	**22.00** **4 @ 20.00**
ML4 / DL	GEC logo, UK. NOS balloon shape. This is valve type DL. It is a 16 volt heater, equivalent to ML4. The same as ML4, except for heater voltage.	OB	**20.00**
ML6	GEC sticker, UK NOS. White ceramic base. Sets of 2 pieces same appearance.	GB	**55.00** **4 @ 48.00** **8 @ 46.00**
ML6 **Grade One**	GEC test as Grade 1. When available.	G1	**37.00**
ML6 USED	GEC test as Used. When available.	WB	**25.00**
ML-8533	Matchlet and other USA.	OB/WB	**POA**
ML-8536	Matchlet and other USA.	OB/WB	**POA**
MPT4	MOV. UK made. New and Used. All tested. Please enquire for price.	OB/WB	**Stock**
MS-PEN	MOV or Cossor, UK. NOS. With logo or sticker. Includes equivalents CV1674, MSP4, SP4B. Data on request.	OB/WB	**20.00** **4 @ 15.00** **50 @ 12.00**
MS4B	Please refer to KTZ41, which is similar not the same.		
MU14	GEC UK NOS. Audio rectifier. Most are the rare tall shape. Solid disc getter otherwise known as pan getter or cup getter.	WB	**25.00** **4 @ 24.00**
MU14	Brimar logo, UK NOS. Mixed appearance, some shorter, some	OB/WB	**17.00**

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TYPE	COMMENT	BOX	£ GBP PRICE each
	taller, some black anode, some grey anode. Some brown base, some black base, etc. They will be sets of 2 or 4 pieces the same appearance.		**4 @ 16.00**
MU14	Mullard logo, UK NOS. Mixed appearance, some shorter, some taller, some black anode, some grey anode. Some brown base, some black base, etc. They will be set of 2 or 4 pieces the same appearance.	OB/WB	**17.00** **4 @ 15.00** **8 @ 13.00**
MU14 **Grade One**	Mullard / STC / Brimar with logo. Test as Grade One. Mixed appearance.	G1	**9.50** **20 @ 8.00**
MU14 USED	Brimar, Mullard or other UK made. Used, tested, working & guaranteed. Mixed appearance, some shorter, some taller, some black anode, some grey anode. Some brown base, some black base, etc. May include these equivalents: DW4-350, DW4-500, R2, R3, MU12, 1561. Tungsram APV4, U12, U14.	WB	**8.00** **15 @ 6.00**
MX188	Refer to ZP1550		
MZ2-200	Mullard logo UK. 1 piece NOS. It will be tested at low power to ensure it tests as good. **Guaranteed 12 months from despatch date**. If they do not suit you, return them for a refund without delay or argument. This 1 piece NOS plus 1 piece below makes 2 of the same appearance. Similar to or equivalent to 4212E. Make a 1000 watt audio amplifier here http://www.r-type.org/articles/art-005.htm Data/photo http://www.r-type.org/exhib/aaa0529.htm Socket to fit on request. The tube is over 12 inches/30cm tall. It is difficult to price this very rare item, so sensible offers will be considered.	In a crate	**2,500**
MZ2-200 USED	Mullard logo UK. 1 piece USED. It will be tested at low power to ensure it tests as good. **Guaranteed 12 months from despatch date.** If they don't suit you, return them for a refund without delay or argument. This 1 piece USED plus 1 piece new, above, makes 2 of the same appearance. It is difficult to price this very rare item, so sensible offers considered.	WB	**1,250**
N1034A	EEV UK NOS. CV2381. A backward wave oscillator (a microwave device). Data on request. 9 pieces. Near offers considered	GTV	**500.00** **9 @ 400.00**
N16	Osram UK NOS. An octal audio output pentode. Equivalent to 3Q5GT. Data/photo www.r-type.org/exhib/aaa1094.htm	OB/WB	**20.00** **30 @ 16.00**
N17	UK NOS in stock.	Mostly GVT	**POA**
N37	GEC/MOV UK. UK audio pentode.		**7.00** **50 @ POA**
N43 / CV1675 / VT107	GEC UK NOS. Military spec, made for UK-GPO. Audio output pentode. 1940s genuine British made. Tested/guaranteed. Fits B7 socket not B7G. Sockets and caps to fit from stock. Photo/data www.tubecollector.org/cv1675.htm	WB	**10 @ 16.00** **50 @ 13.00**
N43 / CV1675 USED	GEC UK. Audio pentode / pulse amplifier tetrode. Nice 1940s vintage genuine British made. Used, clean, tested/guaranteed. Data and info re socket above.	OB/WB	**5.00**
N78	GEC/Marconi - UK. Some similarities to EL84 but a different base. Data/photo http://www.r-type.org/exhib/aaa0341.htm	OB/ GVT	**7.50**
N78 USED	GEC sticker - UK. Used tested. Some similarities to EL84 but a different base. Data/photo http://www.r-type.org/exhib/aaa0341.htm	BP	**4.50**
N78 / CV4062	GEC UK NOS. Audio pentode partly similar to EL84. These are CV4062 equivalent to N78. NOS clean and uniform appearance. Photo/data http://www.r-type.org/exhib/aai0335.htm Flexible price for orders over 50 pieces.	GBox	**9.00** **30 @ 7.00** **500 @ 5.00**
N709 (EL84)	GEC sticker - UK NOS. Square getter plate. 3 pieces. Equivalent to EL84. Near offers possible. Data/photo http://www.r-type.org/exhib/aaa0609.htm	GVT	**200.00** **3 @ 175.00**

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TYPE	COMMENT	BOX	£ GBP PRICE each
N10028 USED	EEV T.W.T. Used but working and clean.	OB/WB	**POA**
Nixie	We should have 5 or 15 pieces of each of the following: 6476A, A101, IN-4 USSR, ZM1000, ZM1021. Please enquire for price/availability.		**POA**
Nixie	Nixies and Dekatrons. We should have 5 or 15 pieces of the following: Z520M, IN-4 USSR, ZM1022, ZM1100, OG-4, Z303C, VS10G, GC10B, GC10-4B, GR10A/Z503M, GS10D, GD150A. Please refer to catalogue or contact our office for price/availability.	OB/WB	**POA**
NJC3901B	JRC Japan. New, with guarantee.	GVT	**90.00**
NKT401A	UK or USA made NOS transistor.		**12.00** **4 @ 10.00** **50 @ POA**
NL5870L	Nixie tube, National brand. NOS Nixie tube & other nixes. Crt. Dekatrons etc, please enquire.	OB/WB	**32.00** **4 @ 30.00**
NSP1	UK NOS in stock. Strobotron' neon discharge tube. 20 pieces. Data http://tubedata.itchurch.org/sheetsN.html	OB/WB	**5.50** **20 @ 5.00**
NSP2	UK NOS in stock. Strobotron' neon discharge tube. 20 pieces. Data/photo http://www.r-type.org/exhib/aaa1253.htm	OB/WB	**5.50** **20 @ 5.00**
NT2	Hivac CV2213/NT2**.** This voltage regulator/stabiliser might suit audio applications. NOS clean and guaranteed. Data/photo at http://www.tubecollector.org/cv2213.htm	GVT	**4.00** **200 @ 2.50**
OA2	Mullard, UK. NOS.	GB/OB	**8.00** **50 @ 7.00** **100 @ 6.25** **200 @ 6.00**
OA2	RFT / Zaerix / WF brands, made in East Germany or Russia. NOS.	WB/OB	**3.00** **200 @ 2.40**
OA2	USA NOS. 6 or 7 brands. Including STC, RCA, Raytheon, Sylvania, Westinghouse, others. Print varies, some print is missing, some has good print. NOS & guaranteed.	Plain WB	**3.50** **100 @ 2.50**
OA2	USA NOS. 50 or 100 of GE, RCA, Sylvania, Westinghouse & other USA.	OB/WB	**5.00** **400 @ POA**
OA2 USED	Audio stabiliser tube. MIXED brands USA made. Used, tested. Fantastic low price! Some might be NOS, but these are sold at cheap used price. **At this price, we cannot sort brands, constructions or other special requests.** Guarantee is limited to "all or none". This is reflected in the price. A useful, audio tube at fantastic cheap price.	Old WB	**1.50** **10 @ 1.20** **300 @ 1.00**
OA2WA	EEV UK NOS. Equivalent to 150C4.	OB	**8.00** **40 @ 7.00**
OA2WA	Sylvania logo, USA. NOS.	Most OB	**3.50** **50 @ 2.80**
OA2 / 150C4	These are 150C4, equivalent to OA2. 20 x EEV UK NOS & 20 x Mullard UK NOS.	OB	**8.00** **20 @ 7.00** **40 @ 6.50**
OA3	RCA USA NOS, incl a few STC, Raytheon and Brimar at the same price. Audio type. Data http://tubedata.itchurch.org/sheets0.html	GB	**5.00** **6 @ 3.50** **200 @ 3.00**
OA74	Equivalent to GEX44. Believed to be Mullard UK made. NOS. Suitable for guitar fuzz boxes etc. Germanium diode.	OB	**1.00** **500 @ 0.75**
OA74	CV425 GEX44. USA or UK made. NOS. semiconductor diode.	OB/WB	**0.70** **500 @ 0.55**
OA74 / CV425	Semi-conductor made in UK/USA in stock.	OB/WB	**POA**
0A81 alias **OA81**	0A81 alias OA81. Mullard UK new / NOS. Germanium diode.	OB/WB	**1.00** **20 @ 0.80** **1,500 @ 0.60**
OB2	EEV, Mullard, UK NOS. Please enquire.	GB/OB	**POA**

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TYPE	COMMENT	BOX	£ GBP PRICE each
OB2	Hytron logo USA. NOS. Guaranteed. Stabiliser tube, useful for audio.	GB	**4.25** **100 @ 3.40**
OB2	RFT Made in East Germany.	OB/WB	**4.00** **50 @ 3.20**
OB2	UK NOS. EEV, Mullard.	OB/WB	**7.00**
OB2	West European made. 200 of each brand Cifte / Mazda / French Philips. NOS. Guaranteed. Stabiliser tube, useful for audio.	GB	**8.50** **100 @ 7.00**
OB2 USED	Chinese/Russian. Used, untested but guaranteed. These are egg crate bulk pack.	BP	**1.50** **100 @ 1.20**
OB2WA	EEV UK NOS. A few might exist, please enquire.		**POA**
OB2WA	RCA logo USA NOS. The government boxes printed JRC, which we believe is "JAN". Guaranteed. Stabiliser tube, useful for audio.	GB	**4.80** **100 @ 4.00**
OB2 / 5644	5644 Raytheon from the USA military. NOS are partly similar to OB2. Potential audio type. USA made. A wire leaded sub-miniature gas regulator tube that regulates from 5 to 25 Ma at 90 volts DC. A long lasting good quality voltage regulator. Data http://tubedata.itchurch.org/sheets5.html	OB	**3.50** **5 @ 2.67** **100 @ 2.00** **500 @ 1.80** **2,000 @ 1.20**
OC3	Please refer to **VR105-30** for pricing.		
OC23 / CV7054	Germanium power transistor. Military spec and UK made. Mica and plastic mounting washes included. NOS, unused and 1 piece per original box. Suitable for guitar fuzz boxes etc.	OB	**5.00** **5 @ 3.34** **100 @ 3.20** **500 @ POA**
OC2	Made in West Europe or USA NOS. We have good quantities in stock. Please enquire.	Most OB	**POA**
OC29	Believed to be Mullard UK made. Transistor NOS. Suitable for guitar fuzz boxes etc. Germanium transistor.	OB	**3.00** **100 @ 2.00**
OC35 / CV5328	Germanium power transistor. Military spec and UK made. Mica and plastic mounting washes included. These come as matched pairs so the price is for 2 pieces of OC35 or 1 pair. New, unused and original box. Suitable for guitar fuzz boxes etc.	OB	**Per Pair** **7.50** **30 @ 5.00** **100 @ 4.50**
OC36 USED	Germanium power transistor. Mullard UK made. Used but long lead and guaranteed.	WB	**1.50** **10 @ 1.20**
OC45	Transistor. USA or UK made. NOS. black construction.	WB	**1.50**
OC71	Made by Mullard UK but not printed Mullard. Mullard codes on these germanium transistor. NOS. Suits guitar fuzz boxes.	OB	**3.60** **20 @ POA**
OC75	Black glass germanium power transistor. Military spec and most are Mullard UK made. 1960s made. New, unused guaranteed.	OB/WB	**16.60** **30 @ 14.60**
OD3	NOS with logo. Suits audio amps by Bottlehead Foreplay, Smash and Manley, gas discharge tube/voltage regulator. For prices please see VR150 entry.	OB	
OD3	Visseaux logo, French made NOS. 60 pieces. For prices please see VR150 entry.	GVT	**5.00** **10 @ 4.00**
OD3 USED	Made in USA. Most Marconi or Westinghouse. Audio type. Used, tested/guaranteed. Deduct 0.25 GBP if you accept without a white box.	WB	**2.30** **10 @ 1.80** **150 @ 1.50**
OD3 / VR150-30	Westinghouse or Marconi. USA or Canada. NOS with logo. Audio type. Equivalent to OD3. Octal base gas discharge tube/voltage regulator. Suits audio amps by Bottlehead Foreplay, Smash and Manley. Data: http://www.tubedata.info/ if you have difficulty please contact our office.	OB	**6.00** **50 @ 3.80**
OG-4	NOS. USSR Dekatron or similar. 10 in stock.	OB/WB	**4.00** **10 @ 3.00**
OQQS5 / 1500	Tungsram, Hungary. Audio triode. NOS. Seen in audio amplifiers in recent years. Data: Vf = 7.5V, If = 3000Ma, Va = 1500V, Pa = 50W, S = 2.2Ma/V. More data on request.	OB	**70.00**
ORP12	Mullard, UK / Holland with logo. ORP11 is similar to orp12 but not the same. Morgan Jones in his book Valve Amplifiers employed this	OB	**3.00** **10 @ 2.40**

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TYPE	COMMENT	BOX	£ GBP PRICE each
	light sensitive resistor as an audio volume control. Optical device, data/photo for ORP11 at http://www.r-type.org/exhib/aad0275.htm More data from our office black binders.		200 @ 1.00
OZ4	UK/USA NOS. 6 or 7 brands including STC, RCA, Raytheon, Sylvania, Westinghouse, Haltron & others. NOS & guaranteed. Data http://www.r-type.org/exhib/aaq0314.htm	Most OB	5.00 30 @ 4.00
P2 USED	West European. Used tested/guaranteed. When available.	WB	10.00
LP2	GEC UK NOS. Equivalent to CV1166. Straight shape.	GB	19.75 4 @ 19.00
P2	MOV UK NOS. Equivalent to CV1020 PM2 VT20. Shoulder shape.	OB/WB	25.00
P61	UK NOS. Mazda, STC, etc.	OB/WB	10.00 25 @ 6.00
P220	Equivalent to LP2 and CV1166. GEC sticker UK NOS. Straight shape 10 identical pieces. Data/photo http://www.tubecollector.org/cv1166.htm	GVT	20.00 10 @ 19.00
P220	GEC logo, UK NOS GT shape like VR22.	Most GB	20.00
P410	UK made. Balloon shape MOV. Please enquire for a price.	OB/WB	Stock
P615	Tungsram. NOS. Audio triode. When available.	OB	100.00
P625	or equivalent UK NOS, such as PM256, NT20, CV1208, shoulder shape. Please ask re quantity.	OB/WB	75.00
P625	Balloon shape.UK NOS. Please ask re quantity.	WB	250.00
P8211	UK NOS, 6 month guarantee.	OB/WB	400.00
P8212	UK NOS, 6 month guarantee.	OB/WB	500.00
PABC80	RFT German (equivalent 9T8) NOS & guaranteed. Deduct 25p if you accept bulk pack/ egg crate instead of white box.	WB	250 @ POA
PC86	These PC86 East European can replace 5842/ 417A, but the pin-out of base will need adjustment. PC86 USSR including Zaerix NOS. Clean, guaranteed. This type suits audio tuners. Data http://tubedata.itchurch.org/sheetsP.html	OB/WB/BP	2.50 20 @ 1.50 300 @ 1.30
PC86	Mazda West European NOS. Audio tuner valve. These PC86 can replace 5842/417A but the pin-out of base will need adjustment. Data: Vf=3.8V, If=300mA, Va=220V, Ik=20mA, S=14mA/V, Pa=2.2W	OB/WB	4.00 20 @ POA
PC88	NOS, East European. Required for audio tuners. Data VF=4,0V, If=300Ma, Va=230V, Ik=13Ma, S=13Ma/V, Pa=2 W. For data/photo refer to PC88 Mullard below.	OB	3.00 50 @ 2.00 300 @ 1.70
PC88	Mullard, West European. Most have logo. NOS. Required for audio tuners. Equivalent to 4DL4 B9A base single triode. Data VF=4,0V, If=300Ma, Va=230V, Ik=13Ma, S=13Ma/V, Pa=2 W. More data http://tubedata.itchurch.org/sheetsP.html	Most OB	4.00 20 @ 3.20
PC88	West German Valvo, NOS. Arriving soon. Please ask for prices.	OB/WB	500 @ POA
PC92	UK/USA NOS. Good quantities in stock. Please enquire.	Most OB	POA
PC97	Mazda logo - UK NOS. 1970s vintage PC97 4FY5. Long lasting good quality NOS signal triode. PC97 is almost identical to 6GK5 except the heater voltage. Data www.mif.pg.gda.pl/homepages/frank/sheets/030/p/PC97.pdf	OB	1.50 100 @ 1.20
PC900	Equivalent 4HA5. Mullard logo, West European NOS. Suits audio tuners. Near offers considered for orders over 50 pieces Mullard.	Most OB	6.00 4 @ 5.00 200 @ 4.80
PC900	Equivalent 4HA5. Made in Japan NOS. Guaranteed. Suits audio tuners. 25p discount if you accept bulk white box.	OB/WB	4.00 20 @ 3.00 200 @ 2.50
PCC84	East European. 5 of this brand, 10 of that brand. Guaranteed NOS. Audio double triode.	OB/WB	2.40 20 @ 2.00
PCC84	150 Mazda logo, UK NOS. Audio double triode.	OB	3.50

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			150 @ 2.50
PCC84	250 Mullard UK NOS, includes 70 Philips Holland, audio double triode. Data http://tubedata.itchurch.org/sheetsP.html	OB/GB	6.00 10 @ 5.00 25 @ 3.75 250 @ 3.25
PCC85	East German RFT (small quantity), larger quantity Tungsram Hungary. All NOS. This double triode operates in similar way to ECC85, but heater voltage is different.	WB	6.00 40 @ 5.00 100 @ 3.75
PCC85	Japan. NOS manufacture. 30 or 40 of each brand. GE, Westinghouse, RCA, Brimar, Mazda.	OB/WB	5.00 100 @ 4.00 200 @ 3.75
PCC85	Mullard logo West Europe NOS. Tested guaranteed.	Most OB	6.00 36 @ 5.00
PCC85	Telefunken logo West German NOS. With <> Tested guaranteed.	Most OB	35.00 4 @ 28.00
PCC88	Mazda logo NOS. Vintage made by Tesla in Czechoslovakia.	OB	18.00 10 @ 16.00
PCC88	Mullard waisted shape, D getter. UK or Holland, NOS. We have these 3 pieces NOS & 3 Grade One at lower price, so a potential 6 pieces.	OB/WB	60.00 3 @ 50.00
PCC88	Telefunken logo. ◊. NOS. West German. Tested, clean.	OB	60.00 4 @ 50.00
PCC88	Tungsram NOS Tested, clean.	OB/WB	25.00 4@ 21.00
PCC88 / 7DJ8	Mullard UK / Holland. NOS, tested guaranteed. These have 7.5v heater instead of 6.3v heater, but in all other ways are the same as ECC88. In most preamps, these will plug in to replace directly the ECC88/6DJ8. Data: http://www.tubedata.info/ if you have difficulty please contact our office.	OB	15.00 10 @ 12.00
PCC88	A choice of Siemens German, Siemens (West European made) printed as Telefunken, or Valvo German or EI Yugoslavia. 2 pieces of each.	OB/WB	POA
PCC88	Tesla logo, grey pin. 1970's made in Czechoslovakia. Plenty of bass definition and a sweet mid band. Excellent in phono stages NOS and guaranteed. Half are yellow logo, estimate 1970s made. Half are white logo, estimate 1980s made. None are JJ recent Slovakian made.	OB/WB	25.00 4 @ 21.00 8 @ 20.00 16 @ POA
PCC89	Mazda, UK made but with Rediffusion logo. Audio double triode. B9A base: VF=7.0V, If=300Ma, Va=130V, Ik=15Ma, S=12Ma/V, Pa=1.8W.	OB	5.00 100 @ POA
PCC189	Tungsram Hungary NOS. Also a few East Europe made Mazda at the same price. Audio double triode, similar to ECC88 but different heater. Data: http://www.tubedata.info/ if you have difficulty please contact our office.	OB	6.00 10 @ 3.50
PCC189	Mullard UK NOS, Mazda/Brimar UK NOS, Telefunken logo West German NOS. Not diamond mark, no <>. A few of each brand.	Most OB	12.00 20 @ 7.50
PCC189	30L17 Mazda UK is near equivalent.		
PCC189 / 7ES8	4 or 5 different Russian / East European brands NOS. Partly similar to ECC88. Data: http://www.tubedata.info/ if you have difficulty please contact our office.	OB/WB	5.00 10 @ 4.00
PCC806	UK/USA NOS. Good quantities in stock. Please enquire.	Most OB	POA
PCF80	Mullard or Mazda logo UK/or other West Europe NOS logo. This is a potential audio type and we have seen this in audio tuners. Photo/data http://www.r-type.org/exhib/aaa1133.htm	OB/WB	4.00 100 @ 3.20
PCF80	NOS including Tungsram Hungary, Russia, East Europe. Audio tuner valve.	WB	2.20 100 @ 1.80
PCF82 / 9U8A	Small quantities of Osram UK & Telefunken West German (NOS).	Most OB	3.25

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TYPE	COMMENT	BOX	£ GBP PRICE each
	Large quantities of USA. (NOS). Potential audio type.		50 @ 2.50 500 @ POA
PCF84	UK/USA NOS. Good quantities in stock. Please enquire.	Most OB	POA
PCF86	UK/USA NOS. Good quantities in stock. Please enquire.	Most OB	POA
PCF200	UK/USA NOS. Good quantities in stock. Please enquire.	Most OB	POA
PCF201	Philips or Mazda logo. Holland NOS. Equivalent to 8U9. May have audio applications. B10A base Triode-Pentode. Sockets available. Data on the tubedata.it church website.	Most OB	2.30 800 @ 1.80
PCF800	UK/USA NOS. Good quantities in stock. Please enquire.	Most OB	POA
PCF801	UK/USA NOS. Good quantities in stock. Please enquire.	Most OB	POA
PCF802	Philips/Mullard UK/Holland Siemens West European manufacture, all with logo. For use in audio tuners.	OB/GVT	2.00 200 @ 1.50
PCF802	Sylvania logo USA NOS.	OB	1.80 600 @ 1.40
PCF805	UK/USA NOS. Good quantities in stock. Please enquire.	Most OB	POA
PCF806	Mullard or Mazda logo UK NOS. Good quality triode pentode. Data www.r-type.org/exhib/aai0100.htm Partly similar to ECF82/6U8A, similar data for low voltage operation but different pinout. A useful potential audio type as the two sections are independent but they are relatively low volts, 160 volts gives 2 watts of power, so they're ideal for a headphone amp.	OB	5.00 10 @ 4.00 100 @ 3.00 400 @ 2.50
PCF808	UK/USA NOS. Good quantities in stock. Please enquire.	Most OB	POA
PCF808	Mazda logo, UK NOS. Data on request. Good quality small signal triode-pentode.	OB	2.00 200 @ 1.50
PCL81	NOS. Telefunken with diamond between pins. 10 pieces. We also have limited quantities of East European at lower price.	OB	5.00
PCL82	NOS. Made by Tungsram Hungary. PCL82 / 16BM8 are similar to ECL82, but PCL82 has 16v heater.	OB	4.00 50 @ 3.50 200 @ 3.00
PCL82	RFT German. NOS. PCL82 / 16BM8 are similar to ECL82, but PCL82 has 16v heater.	OB/WB	8.00 10 @ 7.25 100 @ 6.50
PCL82	NOS. 20 Mullard, 20 Mazda, 10 Telefunken. All West European made with logo. Larger quantities may exist. Potential audio type. Data http://tubedata.itchurch.org/sheetsP.html	Most OB	15.00 10 @ 14.00 100 @ 13.00
PCL82	20 Sylvania logo USA NOS. Larger quantity may exist. Potential audio type. Data above.	Most OB	15.00 20 @ POA
PCL83	Mullard logo UK NOS. Similar to ECL83 but different heater. Would make a good single-ended or push-pull low power guitar or headphone amp. Data http://tubedata.itchurch.org/sheetsP.html	OB/WB	5.00 30 @ 4.00
PCL83	Russian NOS. Data http://tubedata.itchurch.org/sheetsP.html	OB/WB	4.00 60 @ 2.50
PCL84	Mullard UK NOS.	Most OB	4.00 100 @ 3.20
PCL84	Tungsram NOS Hungary.	OB/WB	3.00 100 @ 2.40
PCL86	Various East European, 10 of this brand and 10 of that. New, guaranteed, similar to ECL86, but has 14v heater voltage. Competitive prices	WB	4.50 10 @ 3.80 100 @ 2.80
PCL200	UK/USA NOS. Good quantities in stock. Please enquire.	Most OB	POA
PD500	Mullard logo Holland NOS. Possible alternative, not equivalent to the rare 6BK4. Data http://tubedata.itchurch.org/sheetsP.html B9D base. GBP20 retail.	OB	13.33 16 @ 10.00
PD510	= 9ED4. Rectifier, partly similar to 6D22S Mullard logo UK NOS. A high voltage shunt regulator, can be utilised for audio.	OB	5.00 50 @ 4.00
PE06-40N	Made in West Europe. NOS.	OB/WB	12.00

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TYPE	COMMENT	BOX	£ GBP PRICE each
PE1-100 / 6083 / OS51	Tungsram = PE1-100 Hungary. High power type. NOS. Seen in audio amplifiers in recent years. Data: Vf = 12.6V, If = 350Ma, Va = 150V, Ik = 20Ma, Pa = 45W. Sockets [71CX] in stock. 45 watt anode dissipation, output is almost 200 watts of audio power per pair. Data http://tubedata.itchurch.org/sheetsP.html or 6083 equivalent data http://frank.pocnet.net/vademecum1.html, or 6083 data in vade mecum.	OB	**22.00** **10 @ 20.00**
PE7B	UK/USA NOS. Good quantities in stock. Please enquire.	Most OB	**POA**
PEN4DD	Mullard UK made. NOS. Please enquire for price.	OB/WB	**POA**
PEN4VA	**MP/PEN** UK NOS	OB/WB	**10.00**
PEN25	**CV65** Mazda logo, UK. Perfect NOS condition. Tested. Audio pentode. Mazda octal socket to fit these in stock ref SOC89MC. Data: http://www.tubedata.info/ if you have difficulty please contact our office.	OB/WB	**6.50** **10 @ 5.50** **100 @ 4.50**
PEN25	**CV65** Mazda logo, UK. NOS. Tested but the SPIGOT CENTRE PIN IS MISSING.		**4.00** **12 @ 3.00**
PEN36C	UK NOS, also includes equivalents: CV1674, CL33, PEN3520.	OB/WB	**15.00** **40 @ POA**
PEN36C	STC logo UK, PEN36C, CV1672. Many are unused but small glass rattle or test below NOS standard. SOLD AT USED PRICE. Similarities to 6L6GC and EL33 but the heater voltage is different. Fits our Socket SOC7PT4. Data for PEN36C, 6L6, on the tubedata.itchurch website.	OB	**12.00**
PEN453DD	Mazda UK NOS. Tested/guaranteed. Pen453DD a double diode output pentode from 1930s. The diodes were for signal and AGC rectification, and the high gain output **pentode** drove the speaker directly without the need for an audio pre-amplifier stage. Data: Vf=45V, If=200Ma, Va=160V, Ik=65Ma, S=12Ma/V, Pa=10W Data http://tubedata.itchurch.org/sheetsP.html	OB/WB	**15.00** **40 @ 12.00**
PEN44 **Grade One**	Mazda. UK made. Please enquire for price.	OB/WB	**Stock**
PEN45	Mazda OR Ediswan audio pentode, most with logo UK. NOS, Tested, /guaranteed..	OB/WB	**20.00** **4 @ 18.00** **12 @ 15.00**
PEN45 **Grade One**	Tested as Grade One. Mazda or Ediswan audio pentode, most with logo UK made guaranteed. Tested near new but store soiled appearance		**15.00** **4 @ 13.00** **12 @ 11.00**
PEN45 USED	Tested as used, around 65-75 percent emission. Mazda or Ediswan audio pentode, most with logo UK made guaranteed.	WB	**10.00** **4 @ 9.00** **12 @ 7.50**
PEN45DD	Mazda UK NOS. GBP14 wholesale price. When available…	OB / WB	**POA**
PEN46	Mazda logo or Raytheon logo. UK/USA. NOS with guarantee. Audio output tetrode. Similar to KT66, KT88 but PEN46 has different anode cap, ceramic supports and heater voltage to suit high voltage pulse operation. Data/curves tubedata.itchurch website. Sockets to fit in stock.	WB	**12.00** **8 @ 11.00** **30 @ 8.00**
PEN220A	UK NOS. Tested/guaranteed. MOV, Mazda. 2 volt heater, 1.1 watt audio output pentode. Sets of 2, 4 or 8 with same appearance. Data here, look for the PDF www.r-type.org/exhib/aaa0372.htm	OB/WB	**15.00** **4 @ 11.75** **25 @ 11.00**
PEN383	Mazda. UK made. NOS. Please enquire for price.	OB/WB	**Stock**
PEN383 USED	Mazda. UK made. Used. Tested. Please enquire for price.	OB/WB	**Stock**
PL33	These are NOS PL33 octal base audio pentode. Mullard, logo. Tested and guaranteed.	OB	**16.00**
PL33 USED	These are used PL33 octal base audio pentode. Mullard, logo. Tested and guaranteed.	OB	**8.00** **10 @ 7.00**

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TYPE	COMMENT	BOX	£ GBP PRICE each
PL36	Mullard logo UK NOS. Fits Sansui 1000 Quad Stereo & other hifi. We have other cheaper brands too, please enquire. Data http://tubedata.itchurch.org/sheetsP.html	OB	**7.50** **24 @ 7.00**
PL36 / 25E5	Mazda logo E. European made & USSR made NOS. Fits Sansui 1000 Quad Stereo & other hi-fi.	Most OB	**5.00** **6 @ 4.00** **100 @ 3.00** **250 @ 2.50**
PL38	Mullard logo UK NOS.	Most OB	**200.00** **8 @ 16.00**
PL81	Siemens logo, West German. NOS. We also have Mullard UK and other West European brands. Data showing push/pull use in class AB audio is available. Some similarities to EL519 date also on the tubedata.itchurch website.	OB	**2.75**
PL82	Mullard logo UK made. NOS. Audio circuit diagram featuring this tube available free on request. Audio data www.tube-amps.net/EA_Hashimoto_PL83_SE_01.htm	Mostly OB	**7.00** **10 @ 6.00** **50 @ 5.00** **100 @ 4.00**
PL82	Mullard logo UK made. NOS. Audio circuit diagram featuring this tube available free on request. Audio data www.tube-amps.net/EA_Hashimoto_PL83_SE_01.htm	Mostly OB	**7.00** **10 @ 6.00** **50 @ 5.00** **100 @ 4.00**
PL82	Tungsram, Hungary. Audio type. 4 watts can be obtained from the PL82 when used in class A single ended with 200v on A1 and G2. Data available. Other brands may exist 70 pieces.	OB/WB	**5.00** **70 @ 3.00**
PL83	18 Mullard UK made. NOS. 10 Siemens West German. 24 Bentley West Europe. Audio circuit diagram featuring this tube available free on request. Audio data www.tube-amps.net/EA_Hashimoto_PL83_SE_01.htm	Mostly OB	**3.00** **100 @ 2.50**
PL84	Russian x 100. East European etc. New guaranteed. Potential audio type.	OB/WB	**5.50** **100 @ 4.00**
PL84 / EL86	These are PL84. They have some similarities to EL86, but not equivalent. Telefunken logo x 10, West German NOS with ◊ , 40 x Mazda logo UK NOS, 10 x Mullard logo UK NOS.	Most OB	**7.00** **10 @ 6.00** **60 @ 5.00**
PL95	Philips logo. West European made, NOS. Almost the same as 6DL5 but 4v heater. B7G base audio pentode with similarities to EL84 6AQ5 etc. Data: http://www.tubedata.info/ if you have difficulty please contact our office.	OB	**6.00** **10 @ 4.00** **200 @ 3.80**
PL95	Siemens logo. West European made, NOS. Almost the same as 6DL5 but 4v heater. B7G base audio pentode with similarities to EL84 6AQ5 etc. Data: http://www.tubedata.info/ if you have difficulty please contact our office.	OB	**4.00** **10 @ 3.20** **200 @ 2.80**
PL500	Valvo or Lorenz NOS West Europe. Near equivalent to PL504 but PL500 slightly lower power.	OB/WB	**6.50** **100 @ 5.50** **300 @ 5.00**
PL500	Tungsram/Tesla and other East European. 15 pieces may exist.	OB/WB	**6.50**
PL504	Mazda logo printed Mazda foreign. We think these are West Euro made.	OB/WB	**6.50** **20 @ 5.00**
PL504	Mullard logo UK NOS. 10 pieces.	OB	**14.00** **24 @ 13.00**
PL504 USED	Mullard logo UK. Used tested 15 pieces.	OB	**7.00** **10 @ 6.50**
PL508 / 17KW8	NOS. Mullard UK NOS. Data / ideas re audio amplifier application www.r-type.org/exhib/aaa0326.htm	OB/WB	**8.00** **16 @ 6.50**
PL508 / 17KW8	NOS. 16 Tungsram & 10 other East European.	OB/WB	**7.00** **26 @ 55.00**
PL509	Brimar logo believed to be made by Ei Yugoslavia NOS, tested guaranteed	OB/WB	**33.00** **8 @ 28.00**

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TYPE	COMMENT	BOX	£ GBP PRICE each
PL509	Mullard logo UK. NOS.	OB/WB	**105.00** **4 @ 95.00**
PL509	Mullard logo foreign made, probably West European manufacture. Used tested guaranteed.	OB/WB	**42.00** **4 @ 38.00**
PL509	UK/ USA /Japan.	OB	**35.00**
PL509	Russian/East Europe etc. Tesla Ei and others, tested/guaranteed.	OB/WB	**30.00**
PL509 USED	Brimar logo believed to be made by Ei Yugoslavia USED, tested/ clean guaranteed.	OB/WB	**18.00** **8 @ 15.00**
PL509 USED	Mazda logo believed to be Japanese made used, tested/guaranteed.	OB/WB	**18.00** **8 @ 15.00**
PL509 USED	Mullard logo UK. Used, tested/guaranteed.	OB/WB	**25.00** **12 @ 20.00**
PL519	Mullard NOS.	OB/WB	**115.00**
PL519	USA /Japan. NOS	OB/WB	**35.00**
PL519	Various Russian. NOS. And Ei Yugoslav.	OB/WB	**35.00**
PL519	Not made anywhere since 2006..		
PL801	Mullard or Mazda or Ediswan. UK made. NOS. Equivalent to 30P12 and 12FB5 audio output pentode. pdf data www.r-type.org/exhib/aaa1717.htm	Mostly OB	**4.00** **10 @ 3.00** **100 @ 2.50**
PL802	Mullard logo UK NOS. B9A **audio** type audio pentode. Data http://tubedata.itchurch.org/sheetsP1.html Email us for photo. Here's a circuit diagram for audio amplifier using EL802, PL802 is similar tube but has different heater. www.pmillett.com/el802_spud.htm Here's some extra data for PL802 www.audioasylum.com/forums/tubediy/messages/3/32019.html	OB	**5.00** **10 @ 4.50** **50 @ 4.00** **200 @ 3.00**
PL5545 / A	West European/North American including Philips. Thyratron. Equivalent to 5545.	OB/WB	**72.00** **6 @ 62.00**
PLUG	For octal plugs. Refer to 8 pin socket section near back of the catalogue. Order code 8-plug	BP	**POA**
PM1	Mullard UK Manufacture. NOS.	OB/WB	**14.50** **6 @ 12.00**
PM13	Mullard UK Manufacture. NOS.	OB/WB	**14.50** **2 @ 12.00**
PM84	Mix West European. NOS.	WB	**5.50** **40 @ 4.00**
PM1A	Mullard UK Manufacture. NOS.	OB/WB	**14.50** **2 @ 12.00**
PM1HF	Mullard UK Manufacture. NOS.	OB/WB	**14.50** **4 @ 12.00**
PM1HL	Mullard UK made. NOS. Please enquire for a price.	OB/WB	**Stock**
PM12M	Mullard UK Manufacture. NOS.	OB/WB	**14.50** **6 @ 12.00**
PM1LF USED	Mullard logo UK. Used. Not new appearance but tested/guaranteed.	BB	**6.50** **2 @ 6.00**
PM2A USED	GEC logo, UK Used. Tested like VR22.	WB	**10.00**
PM2 / A USED	West European manufacture. Used/not new appearance but tested/guaranteed. Also we have PM1, PM22, PM24, please ask.	BB	**8.50**
PM2HL	Mixed UK brands. 4 pieces. Test as Grade 1. Most new but decent appearance.	OB/WB	**24.00**
PM2HL	UK NOS. Equivalent to 210HL CV1673 and HL2. Guide price GBP 30 wholesale.	OB/WB	**POA**
PM2HL **Grade One**	UK. Grade 1, tested. Approx 80 percent emission.		**25.00**
PM22A	West European manufacture. NOS 4 pieces.	OB/WB	**15.00**
PM22D	West European manufacture. NOS 4 pieces.	OB/WB	**15.00**
PM24A	West European manufacture. NOS 4 pieces.	OB/WB	**15.00**

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TYPE	COMMENT	BOX	£ GBP PRICE each
PM24D USED	GEC sticker UK. Balloon shape. PM24D/NT62A used, tested, guarantee. Offers invited.	WB	**80.00** **6 @ 65.00**
PM24M	NOS. Please enquire.	PB/WB	**POA**
PM24M / P435	These are P435 Triotron Europe, possible alternative to PM24M.	OB	**24.00**
PM24M USED	Mullard UK. Used. Guide price GBP12 wholesale.	OB/WB	**POA**
PM254	Mullard UK NOS. 1930s made balloon shape triode. Similar to PM4DX. Data http://www.r-type.org/exhib/aal0012.htm	OB/WB	**27.50** **5 @ 25.00**
PP3-250	Mazda logo. **Shoulder** shape, NOS. Sometimes available.	OB/WB	**POA**
PP3-250	Mazda logo. **Balloon** shape. UK NOS. In sets of 2 the same appearance. GBP600 per valve.	OB	**600.00**
PP3-250	Mazda logo. **Balloon** shape. UK NOS. Singles, not sets of 2 the same appearance.	OB	**350.00**
PP3-250	Please refer to LK4112 for a possible alternative but not equivalent.		
PP3-250 USED	Mazda logo. Balloon shape. UK. Used, tested 65-75 percent emission.	OB	**400.00**
PP5-400	NOS, Mazda UK balloon shape. 1 or 2 pieces.	G Box	**750.00**
PP5-400 **Grade One**	Mazda UK balloon shape. 1 or 2 pieces.	G1	**600.00**
PP5-400 USED	Mazda UK balloon shape. 1 or 2 pieces. Used, tested.	WB	**400.00**
PP5-400 USED	Mazda UK balloon shape. 1 piece. Used, tests only 50 percent emission.	Bag	**225.00**
PT4D	Ferranti UK. Equivalent to AC2/PENDD, audio output valve. Socket to fit [7PT4] is available from stock. Data on request.	OB/WB	**12.00** **10 @ 10.00**
PT15	NOS, brown base, Hytron. Made in USA. All test new. 2 pieces.	GVT	**60.00**
PT15	GEC UK NOS. White ceramic base. Tested/guaranteed. PT15 tetrode can be strapped up to form a near equivalent to PX25 triode. Data on request.	OB/WB	**95.00**
PT15 **Grade One**	GEC sticker. UK. White ceramic base. Tested as Grade One, guaranteed.	G1	**70.00**
PT25H / CV1046	1 only, Osram logo. Looks nearly NOS but tested at 80 percent emission so reduced to GBP300. Data http://electronbin.com/sheetsP.html	GVT	**300.00**
PT25H / CV1046 USED	Used tested, balloon shape, UK made. Data: http://www.tubedata.info/ if you have difficulty please contact us.	WB	**175.00**
PV4100	Tungsram NOS.	OB/WB	**40.00**
Bi / PTT100	Thomson PTT100. Equivalent to Siemens Bi triode. This is suitable as a driver for PX4. Original Siemens Bi are 100.00GBP, compare that to these PTT100 at 40GBP, www.tubedata.org.	OB	**40.00**
PX4	GEC UK NOS. GT straight-sided shape. Also refer to E406N, P2-250 near equivalents, elsewhere in this catalogue. Sets of 2 pieces of the same appearance when available.	OB	**330.00**
PX4	GEC UK NOS. GT or ST shape. These are singles, not sets of 2 pieces, when available.	OB	**220.00**
PX4 / PP3 / 521	Mazda logo. Shoulder shape, NOS. Four pieces. These are PP3-521 are similar to PX4 but have 35 volt heater and large B7 base. Free socket supplied with this tube. Photo/data http://tubedata.itchurch.org/sheetsP.html	OB/GVT	**150.00** **4 @ 120.00**
PX4 / PX650	These are PX650 Mazda UK NOS balloon shape. They test similar to PX4, but 6v heater. PX4 gm is 6ma/v, px650 gm is 2 ma/v. Directly heated audio triode. Mazda UK made NOS. Near offers considered. Data https://nvhrbiblio.nl/biblio/boek/thrower%20-%20radio%20valve%20data%201926-1946.pdf More data from our office	OB	**185.00** **2 @ 175.00**
PX25	MOV UK NOS. Balloon shape. Matched pair, 2 look the same and	GB	**750.00**

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TYPE	COMMENT	BOX	£ GBP PRICE each
	similar anode current, emission. The price shown is for one tube. Very rare indeed.		2 @ 740.00
PX25	MOV UK NOS. Balloon shape. Very rare indeed. These are not sets of 2 pieces the same appearance. One of this brand, one of that brand, one of the other brand. Hence reduced price.	GB	500.00
PX25	MOV UK NOS. GT shape. 2 look the same. The price shown is for one tube. Very rare indeed.	GB	550.00 2 @ 525.00
PX25	MOV UK NOS. GT Shape. Very rare indeed. These are not sets of 2 pieces the same appearance. One of this brand, one of that brand, one of the other brand. Hence reduced price.	GB	450.00
PX25 Grade One	MOV UK. Test as Grade 1. Balloon shape. Decent appearance, not new appearance.	G1	400.00 2 @ 375.00
PX25 / DO25	These are DO25 Mullard up NOS made in UK. Balloon shape. Similar to PX25, but not equivalent. Refer to data below please. One piece only. Near offers considered. PX25 data: Vf=4.0V, If=2000Ma, S = 7.5ma/v DO25 data: Vf=4.0V, If=1100Ma, S = 3.8ma/v	Colourful antique OB	700.00
PX25 / DO30	These are DO30 Mullard logo NOS made in UK. GT shape. DO30 is very similar to PX25, a near equivalent. **Only 2 pieces remain in stock.** CV1178 is equivalent to DA30 and DO30. CV1178 data http://www.r-type.org/exhib/aac0059.htm *The DA30 is essentially an uprated PX25 (PP5/400) with a wider grid pitch and lower μ value. It was intended for use in push-pull pairs (Class AB1) to provide up to 45 W of undistorted audio for PA systems and transmitter voice modulation. In this respect it is nearly twice as powerful as the PX25.* PX25 data: Vf=4.0V, If=2000Ma, S = 7.5ma/v DO30 data: Vf=4.0V, If=2000Ma, S = 3.8ma/v	WB	480.00 2 @ 475.00
PY32	Mazda logo UK NOS. Audio rectifier, high current half wave. 2 together would suit full wave application. 2 of these would be better than a GZ37. Data GZ37: Vf=5.0V, If=2800ma, Va=500V, Ik=250ma. Data PY32: Vf=28V, If=300ma, Va=250V, Ik=300ma, Octal base. More data http://frank.yueksel.org/index.html	OB/WB	5.00 10 @ 4.00 70 @ 3.00
PY33	Mazda logo, or Mullard with Rediffusion logo. UK NOS. Refer to PY32 paragraph for data.	OB/WB	5.00 10 @ 4.00
PY82	Tungsram Hungary x100 minimum. Plus possible other European brands. NOS	OB/WB	4.00 10 @ 3.00 200 @ 2.40
PY88	Most are Tesla, a few Polam. European made NOS. Data on tubedata.itchurch website. Please add 0.25GBP per tube if white box required.	BP	2.50 50 @ 1.60 300 @ 1.50
PY500A	Bentley, Soviet Bloc manufacture. An audio rectifier tube, 42 volt filament. B9D sockets and caps for these tubes from stock, please ask. Please add 0.25GBP per tube if white box required. Data http://tubedata.itchurch.org/sheetsP1.html	BP	2.00 100 @ 1.50
PZ1-75 Grade One	Mullard Grade 1. Equivalent to CV1221 NT38. Rare power / output pentode.	G1	100.00
PZ30	Mullard logo. UK made. NOS. Audio rectifier.	OB/WB	12.50 6 @ 11.00
PZ30 Grade One	Mullard logo. UK made. Audio rectifier. Test as Grade One.	G1	9.00 8 @ 7.00
QB3-300	Equivalent to **CV2130.**		
QB3.5-750	Out of stock, please contact office if you would like to discuss.		
QB3.5-750	Please refer to **QY4-250**, **C1112**, **CV2131** near equivalent.		
QB4-1100GA / 4-400A	Mullard/Philips NOS West Europe. Huge triode, possible audio applications. Refer also to 4-400A Eimac equivalent, near the front	OB/WB	140.00 10 @ 120.00

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	of our catalogue. Data www.tubedata.org		
QB5-1750	Equivalent to 6079. Similar to QY5-500. Mullard/Philips NOS, West Europe. Huge triode, possible audio applications. Data www.tubedata.org	OB/WB	**160.00**
QBL3.5-2000	Philips, West European. NOS. 12 months guarantee. Believed to be equivalent to 8177 and Mullard QY3 – 1000. Data on request.	GVT	**500.00** **3 @ 450.00**
QBL5-3500	Equivalent to 6076. Philips West European made. NOS guaranteed. A broadcast tetrode. Output Power 2.8 Kw, maximum frequency 220 MHz, Cooling Forced Air, Heater 6.3 V at 32.5 A. Peak anode voltage 5.5 Kv.	GVT	**250.00** **3 @ 240.00**
QE08-200	Philips Holland carbon anode. NOS. 100 watt CCS dissipation rating. 2 of these as audio amplifiers would give 300 watts at 3600 ohms with 750v anode voltage.	OB/GVT	**300.00**
QK412	West Europe. USA made.	OB/WB	**POA**
QKH798	West Europe. USA made.	OB/WB	**POA**
QP21	CV1035 Brimar, UK made NOS. QP21 is double pentode with SOME similarities to EF86. QP21 has B7 base, plenty of sockets, ref SOC7FC4 from our stock. QP21 data http://tubedata.itchurch.org/sheetsQ.html QP21: Vf=2.0V, If=400Ma, Va=250V, Ik=10Ma, S=2.3Ma/V.	Mostly OB	**7.00** **2 @ 6.00** **200 @ 4.50**
QQE06-40	Refer to **QQV06-40A.**		
QQV02-6	Mullard UK/Holland Mullard logo. Great quality, seen in audio amplifiers.	OB/WB	**10.00** **20 @ 8.00** **40 @ 7.50**
QQV03-10	Mullard logo, UK/Holland manufacture. Possible audio type with similarities to ELL80. They are AUDIO double output tetrodes. They work with output transformers designed for EL84 or 6V6. Data http://tubedata.itchurch.org/sheetsQ.html Discussion of audio amplifier with this type at http://www.el34world.com/Forum/index.php?topic=12647.0 And http://www.tootoo.com/s-pp/qqe03-12-pp-amplifier-kit–p-1484218.html	OB/GVT	**5.75** **40 @ 5.00**
QQV03-10	Soviet Bloc/other brands of our choice. Regret no picking of brands. Hundreds in stock.	OB/WB	**3.25**
QQV03-10 USED	Mullard logo, UK/Holland made, used tested guaranteed. Audio type that works with transformers designed for EL84 or 6V6. More data in the NOS paragraph above.	BP	**3.75** **10 @ 3.00** **250 @ 2.00**
QQV03-20 **QQV03-20A**	EEV UK/GEC UK Glass printed CV2799. GEC sticker. Made in UK, gold pin, and military quality. Similar to 829B but has different base.	GVT	**8.50** **100 @ POA**
QQV06-40A	German NOS. Guaranteed. Possible audio type. Free data on request.	OB	**11.00** **10 @ 9.00**
QQV06-40A	Mullard NOS West Europe.	OB/WB	**16.30** **20 @ 14.00**
QQV07-50	Mullard NOS West Europe. Grey pin. This double tetrode would make a good audio pentode, partly similar to 829B. 829B data: http://www.r-type.org/exhib/aaa0174.htm QQV07-50 data: http://www.r-type.org/exhib/aad0173.htm For audio circuit, using QQV07-50 designed by Billington Export, please click http://Www.r-type.org/articles/art-138.htm	Most G-box	**14.50** **16 @ 13.00**
QQV07-50	Mullard NOS West Europe. Gold pin. This double tetrode would make a good audio pentode, partly similar to 829B. 829B data: http://www.r-type.org/exhib/aaa0174.htm QQV07-50 data: http://www.r-type.org/exhib/aad0173.htm For audio circuit, using QQV07-50 designed by Billington Export, please click http://Www.r-type.org/articles/art-138.htm	Mos G-box	**35.50** **16 @ 30.00**
QS1202	EEV UK CV4052. **Potential audio item**, rugged type. 108V operating, 210V striking total darkness, 133V striking in normal	GVT	**2.50** **100 @ 2.00**

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TYPE	COMMENT	BOX	£ GBP PRICE each
	lighting. 15Ma maximum tube current, 2Ma minimum tube current. Clean and guaranteed. EEV UK was connected to the GEC/MOV company. A wire leaded gas regulator tube that regulates from 5 to 15Ma at 108 volts DC.		**500 @ 1.50**
QU37	GEC, UK NOS. Potential audio type. Vintage British made. High voltage double diode.		**5.70** **40 @ 3.70**
QV04-7	Mullard logo. UK NOS. Tested, guaranteed. Plenty of B9G sockets to fit in stock. Reference 9EF50**.** Audio output pentode. 1960s military QV04-7, CV309. Equivalent to QE04-10. Data http://tubedata.itchurch.org/sheetsQ.html	Mostly GVT	**8.00** **4 @ 6.50** **150 @ 5.75**
QV08-100	Mullard and Philips NOS. Offers considered. 2 or 3 pieces.	OB/WB	**280.00**
QV08-100B	Mullard and Philips NOS. Offers considered. 2 or 3 pieces.	OB/WB	**230.00**
QY2-100	Mullard France. Equivalent to 813.	WB	**32.00**
QY3-125	Please refer to **CV2130.**		
QY4-250	West European or USA including CV2131, C1112 QB3.5.750 equivalents. Glass audio magazine, 1997, number 1, features QB3.5-750 as a huge audio triode. QB3.5-750, is similar to QY4-250.	OB/WB	**45.00**
QY4-400	Chinese made NOS. Tested. With guarantee. Socket to fit (SOC5FB) from stock. We believe this is the best price In the world.	GVT	**90.00**
QY4-400	Mullard logo, West European made NOS. Mullard original book data and curves available free. Possible audio tetrode, huge size and power sockets to fit from stock.	GVT	**150.00**
QY5-3500	Mullard, West European made. NOS guaranteed. A broadcast tetrode. Data on request.	GVT	**250.00** **3 @ 240.00**
R5V	BBC stamped. UK NOS. Balloon shape. 1920s top pip tube. Rare & desirable.	WB	**1 @ 80.00**
R19	Made in West Europe or USA NOS. We have good quantities in stock. Please enquire.	Most OB	**POA**
R120	RT France. Triode. Very rare. Occasionally available.	OB/WB	**POA**
R224	Valvo NOS. Double pentode. Designed as a push pull pair for audio/ car radio. Near equivalent to ELL1.	GB	**20.00**
R1410	Photomultiplier or Vidicon. USA NOS. 20 in stock.	Most GVT	**20 @ POA**
R5559	GEC sticker. UK NOS. Gold pin. D getter.	OB	**12.00** **30 @ 11.00**
R5559	GEC sticker. UK NOS. Gold pin.	OB	**10.00** **30 @ 8.00**
REN904	NOS.	Boxed OB/WB	**40.00**
REN904 USED	Telefunken.	Boxed	**POA**
REN1004 / AR4101	We have 4 pieces AR4101, near equivalent to REN1004. 3 NOS Tungsram, gold colour, ST shape. Data https://www.radiomuseum.org/tubes/tube_ar4101.html Data http://www.r-type.org/exhib/aaa1654.htm	OB	**35.00** **3 @ 30.00**
RES094	Telefunken West German NOS. Audio type! Equivalent to H410D, B442, TB42. Near offers considered. Data: http://www.tubedata.info/ if you have difficulty please contact our office.	GBox	**35.00** **12 @ 32.00** **100 @ 27.50**
REZ50103	Ericson, made in West Europe or USA NOS. We have good quantities in stock. Please enquire.	Most OB	**POA**
RFG5	Telefunken, made in West Europe or USA NOS. We have good quantities in stock. Please enquire.	Most OB	**POA**
RG3-250	Mullard UK NOS. Tested/guaranteed.	OB/WB	**18.00**
RG3-250	Mullard UK. NOS. Audio rectifier. Tested/guaranteed.	OB/WB	**12.00**
RG4-1250	EEV UK or Mullard UK. NOS. They are printed CV5 Audio rectifier. High power alternative to 866A, 3B28 etc. Guaranteed.	GB	**25.00** **10 @ 20.00**

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TYPE	COMMENT	BOX	£ GBP PRICE each
	Data http://www.r-type.org/pdfs/rg4-1250.pdf And http://www.r-type.org/pdfs/cv5.pdf		
RGN1064 **Grade One**	Telefunken Germany. Tested as Grade One.	G1	**POA**
RGN2004	These are 1561 exact equivalent to RGN2004. Philips logo NOS but print faded. Tested, shoulder shape. 1 only.	WB	**75.00**
RGN2004	These are 1561 exact equivalent to RGN2004. Philips logo. NOS. Tested. Rectifier, black plate, balloon shape. 1 only.		**100.00**
Retainer	Spring retainers, tube retainers, valve retainers for numerous sizes of tubes and valves, please enquire, quote stock code "Valve Reta".	OB/WB	**POA**
RK20A	Raytheon USA. NOS partly similar to 300B, not equivalent.	GVT/WB	**40.00**
RK6112 / A	Please see CV2116.		
RKR72	UK/USA NOS. Good quantities in stock. Please enquire.	Most OB	**POA**
RL12P35 USED	Valvo logo 1930s made audio pentode, used but decent appearance. Will be tested. Data: http://www.tubedata.info/ if you have difficulty please contact our office. If you **buy** the tube we can advise possible places to buy the socket.	WB	**20.00** **2 @ 18.00**
RPY43	UK/USA NOS. Good quantities in actual physical stock. Please enquire.	Most OB	**POA**
RS237 **Grade One**	Telefunken 1930s made. RS237 Triode is similar to 211. Maximum operating conditions. Vh 10 Ah 3.3, Va 1000, Ia 80, μ 12. Anode dissipation is 100 Watts. Test very strong. Some base scratches. Silver getter splash is okay but not perfect. A FEW harmless loose particles. 1 only.	G1	**500.00**
RS287	Please refer to RL12P35 for near equivalent.		
RS1003	Siemens West Germany NOS. B5F base near equivalent to KT88. We can supply sockets to fit.	OBWB	**60.00** **4 @ 50.00**
RS242	These are type 242 with KR logo by KR audio, Czech Republic, Europe. New shoulder shape. Audio triode almost identical to Telefunken RS242. http://frank.pocnet.net/vademecum4.html and then click on the "dot".	OB	**400.00** **PER TUBE**
RS1007	Siemens West Germany NOS. B5F base.	OB/WB	**25.00** **10 @ 20.00**
RS3021CJ	Eimac. Current production.	OB	**4140.00**
RTR4142	Ericsson NOS. Sweden. Pentode with some similarities to 6J7G.	OB	**6.00**
RV12P - 2000	East German made by RFT or RWN. Data in the other RV12P2000 paragraph, below.	OB/WB	10.**0** **10 @ 8.00**
RV12P - 2000	West German made by Telefunken. NOS but appearance imperfect. Famous "Wehrmacht Pentode". Suitable for **microphones** such as Neumann Gefell M14. Data http://frank.yueksel.org/sheetsR1.html	WB	13.**50** **20 @ 11.00**
RV12P - 2000	West German made by Telefunken. NOS perfect. 1 piece only.	OB	**42.50**
RV287	West German made by Telefunken. NOS. 1 only. Data on request. 50 watt audio triode!		**1 @ 95.00**
RW80	Siemens, German made NOS. Traveling Wave Tube with gold plated pins. Its rated 15 Watts output on 6.2 GHz with 1.8 Mw drive power. 25cm long. Original plain polystyrene wrapper.	OB	**38.00** **4 @ 30.00**
RZ1-150 **Grade One**	**Display item.** Mullard UK audio rectifier. Similar appearance to DET25. Sold as not working, for display only. Interesting piece of history. A small chance some of them work, but sold as not working display item. Data http://frank.pocnet.net/vademecum4.html	GB	**10.00**
S6F17	CV4040 STC/ITT logo. NOS audio pentode 1970s British made military, broadband signal. Amplifier/ pentode. Data http://tubedata.itchurch.org/sheetsS.html	GVT	**4.00** **5 @ 3.20** **400 @ 2.80**
S11E12	STC Blue logo - UK NOS. UK [CV4060] with STC logo. Audio type with octal base. For data to convert to KT88, email us. Data: Vf=6.3V, If=1600Ma, Va=800V, Ik=200ma, S=13Ma/V,	OB/GVT	**18.50** **16 @ 16.50** **100 @ 16.00**

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TYPE	COMMENT	BOX	£ GBP PRICE each
	Pa=28W. Data/curves http://tubedata.itchurch.org/sheetsS.html More data http://www.r-type.org/exhib/aad0008.htm		
S11E12	Mazda logo, UK NOS. UK [CV4060] Audio octal type. For data to convert to KT88, email us. More data in the S11E2 STC paragraph, above.	OB/GVT	**32.00**
S11E12 **Grade One**	STC, UK [CV4060] with STC logo. Audio type with octal base. Clean and tested as Grade One. For data to convert to KT88, email us. Data: Vf=6.3V, If=1600Ma, Va=800V, Ik=200ma, S=13Ma/V.	G1	**16.00** **50 @ 12.00**
S11E12 **USED**	STC, UK [CV4060] with STC logo. These test as used ie 65-75 percent emission. For data to convert to KT88, email us. More data in the S11E12 NOS section. Most are surprisingly clean with good getter.	OB/GVT	**12.00** **20 @ 10.00** **60 @ 8.50**
S11E12 / 12E14	Some STC, some Mazda. These are all **12E14** UK NOS tested. Mostly 1960s manufacture. Most are also printed CV8727. Octal base audio type. Similar to KT88 but not equivalent. Data: http://www.tubedata.info/ if you have difficulty please contact our office.	GB/WB	**25.00**
S11E12 / 12E14 **Grade One**	Some STC, some Mazda. These are all **12E14** UK tested as Grade 1. Mostly 1960s manufacture, most are also printed CV8727. Decent appearance but not new appearance. Octal base audio type. Similar to KT88 but not equivalent. Data: http://www.tubedata.info/ if you have difficulty please contact our office.	G1	**18.00**
S11E12	In 1995 our agent built an amplifier using S11E12 as a near equivalent to KT88. Circuit diagram and information about amplifier is available free.		
S103-1K	UK/USA NOS. Good quantities in actual physical stock. Please enquire.	Most OB	**POA**
S104-2K	UK/USA NOS. Good quantities in actual physical stock. Please enquire.	Most OB	**POA**
S106-1K	UK/USA NOS. Good quantities in actual physical stock. Please enquire.	Most OB	**POA**
SC1-100	**In stock.** GEC, UK NOS with guarantee. Price is competitive and negotiable. Data may exist on www.r-type.org/search.php	OB/WB	**POA**
SC1-350	**In stock.** GEC, UK NOS with guarantee. Price is competitive and negotiable. Data may exist on www.r-type.org/search.php	OB/WB	**POA**
SC1-400	**In stock.** GEC, UK NOS with guarantee. Price is competitive and negotiable. Data may exist on www.r-type.org/search.php	OB/WB	**POA**
SC1-600	GEC, UK NOS with guarantee. Data www.tubecollector.org/sc1-1000.htm	GVT/WB	**4.00** **100 @ 3.00**
SC1-800	**In stock.** GEC, UK NOS with guarantee. Price is competitive and negotiable. Data may exist on www.r-type.org/search.php	OB/WB	**11.00** **10 @ 9.00**
SC1-1200	**In stock.** GEC, UK NOS with guarantee. Price is competitive and negotiable. Data may exist on www.r-type.org/search.php	OB/WB	**11.00** **10 @ 9.00**
SC1-1000	**In stock.** GEC, UK NOS with guarantee. Price is competitive and negotiable. Data may exist on www.r-type.org/search.php	OB/WB	**11.00** **10 @ 9.00**
SC1-1400	**In stock.** GEC, UK NOS with guarantee. Price is competitive and negotiable. Data may exist on www.r-type.org/search.php.	OB/WB	**11.00** **10 @ 9.00**
SC1-1800	**In stock.** GEC, UK NOS with guarantee. Price is competitive and negotiable. Data may exist on www.r-type.org/search.php	OB/WB	**11.00** **10 @ 9.00**
SC1-2000	**40 pieces in stock.** GEC, UK NOS with guarantee. Price is competitive and negotiable. Data may exist on www.r-type.org/search.php	PB/WB	**11.00** **40 @ 8.00**
SC1-600	GEC, UK NOS with guarantee.	GVT/WB	**4.00**

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	Data www.tubecollector.org/sc1-1000.htm		100 @ 3.00
SE212 USED	Watkins Johnson. Believed UK/USA manufacture. Removed from unused equipment. Sold as used guaranteed at used price. Data on request.	WB	100 2 @ 66.00
SOCKETS	See separate pages devoted to sockets at end of catalogue.		
SK416	Eimac USA NOS. Chimney 3-400z tube. Price negotiable & not expensive, please ask.	GVT	POA
SP13	Made in West Europe or USA NOS. We have good quantities in stock. Please enquire.	Most OB	POA
SP41	Audio pentode. UK NOS. Includes STC. Various CV equivalents. Guaranteed, tested. SP41 has some similarities to EF86 and EL84. Mazda octal socket, reference 89MC from our stock, fits SP41. Data: http://www.tubedata.info/ if you have difficulty please contact our office.	GVT	6.00 8 @ 5.00 200 @ 4.00
SP41 USED	Audio pentode. UK. Includes STC. USED Guaranteed, tested. See data etc in SP41 NOS section above. Socket, reference 89MC fits SP41.	GVT	6.00 8 @ POA
SP61	CV118, STC or Mazda, UK NOS. Some similarities to EF86 but has a different base. Data www.tubedata.org	GVT	6.00 5 @ 4.00 30 @ POA
SP61	Mazda UK NOS tested. These have been nicely repainted in red by our supplier. They look good but this is not original, hence lower price.	WB	3.34 10 @ 2.50 100 @ 2.25
STV280 / 40	Marconi logo, UK NOS. A multiple voltage regulator. A gas shunt regulator tube that provides regulated voltages of 280, 210, 140 and 70 volts DC at 40ma. Ideal for audio preamp/driver circuit, or circuits that need multiple regulated bias voltages. Looks great in operation! B4 socket to fit from stock. Data http://tubedata.itchurch.org/sheetsS.html	Mostly GVT	10.00 70 @ 6.00
STV280 / 80	MOV UK NOS. Solid state version. Not glass. Data similar to STV280/40 above, or click on http://tubedata.itchurch.org/sheetsS.html	GVT	10.00
SU44 / CV261	1940s vintage British made CV261, SU44, 2T/270 tubes. SU44 is a single high vacuum rectifier diode that can rectify 5ma at 5,000 volts. Data www.tubecollector.org/cv261.htm Sockets and caps in stock.	GVT	3.00 1,000 @ 2.00
SU750 / CV128	Large half-wave rectifier with possible audio use. New but store soiled appearance. Tested/guaranteed. Cossor manufacture, but military print "CV128". Data/photo http://www.r-type.org/exhib/aab0123.htm	WB	15.00 30 @ 10.00
SV83	SV83 Chinese manufacture NOS. All identical. Guaranteed. SV83 B9A base is similar to EL84 but different pinout. Please refer to data below. SV83 replaces EL84 by rewiring the base. These are bulk pack, egg crate. Please add 25p per tube, if white box with label required. Lowest price in the world. SV83 NEW Chinese, equivalent to 6P15P 6П15П EL83. Similar to 6CK6 EL84 6BQ5. 300 pieces. Please add 0.25GBP per tube if WB required. Data http://tubedata.itchurch.org/sheetsS.html	BP	3.00 10 @ 2.00 2,000 @ 1.00 Near offers considered for orders of 1,000 pieces
SV83	Svetlana or other Russian manufacture. Printed SV83 or 6P15P. Or 6N15N or 6Pi15Pi. Groups if 100 identical. Can replace EL84 by rewiring the base. SV83 B9A base is similar to EL84 but different pinout. Please refer to data at links below to see differences. Please add 0.25GBP per tube if WB required. More data http://tubedata.itchurch.org/sheetsS.html	BP	5.00 10 @ 4.00 100 @ 3.00
SV572-30	Svetlana "C" logo, Russian. NOS. Data http://tubedata.itchurch.org/sheetsS.html	OB	38.00 4 @ 36.00

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TYPE	COMMENT	BOX	£ GBP PRICE each
SV811-3A	Svetlana Russian, when available. NOS.	OB	**POA**
SV811-10	Svetlana Russian Svetlana logo. NOS. Data http://tubedata.itchurch.org/sheetsS.html	OB	**50.00** **4 @ 45.00**
SX782	Brimar, UK NOS.	BP	**POA** **700 @ POA**
SX5965	Brimar UK yellow label. Wire ended version of 5965. We have good quantities in stock. Please enquire.	Most OB	**POA**
T41	Mazda & similar UK made brands. NOS.	OB/WB	**6.00** **48 @ 4.50**
T55	Audio triode. Power output 145w. Taylor logo. USA NOS. Data https://www.nj7p.info/Tubes/SQL/Tube_query.php?Type=t5	OB/WB	**40.00** **4 @ 27.00**
T988D	CV10952 USA or UK NOS CRT. With guarantee. 10 in stock.	OB/GB	**POA** **10 @ POA**
T988D / CV10952	CV10952 USA or UK NOS CRT. With guarantee. 10 in stock.	OB/GB	**10 @ POA**
TB2.5 / 300 alias 5866	Philips west European made. NOS, unused, tested, guaranteed. Data on request NOS.		**45.00** **6 @ 42.00**
TB2.5 / 400	**Alias 5866A**. West European made. NOS, unused, tested, guaranteed.		**75.00**
TB3-750	Please see **TY4-400** for equivalent.		
TB4-1250	Or TY4-500 equivalent or 5868 equivalent. Mullard few only. West European made. NOS. guaranteed 12 months from dispatch date.	OB/WB	**300.00**
TB4-1250	Or TY4-500 equivalent or 5868 equivalent. Chinese 4 week delivery. NOS. Guarantee 12 months from dispatch date.	OB/WB	**275.00**
TB4-1500	West European manufacture. When available.	OB/WB	**POA**
TB5 / 2500	Equivalent to 7092 = RS1046 = 3C/800E = B1153 = TB5-2500. Chinese new tested, guaranteed. There are several Chinese factories making this tube. This is from the best quality factory in China. Recommended as the best.	OB/WB	**275.00**
TDD13C	Mazda etc. UK, NOS. Double diode triode. Data www.tubedata.org	OB/WB	**13.40**
TH3074A	Thomson, made in France NOS. Clean with guarantee. 2 pieces. **Offers considered.**	OB/I	**2,500.00**
TH5053	Thomson, France New/ NOS. Guaranteed. Price negotiable.	WB	**POA**
TB4B	West European NOS tested eg Mullard.	OB	**20.00**
THERMIONIC	Thermionic items ALL available. Please enquire.		
TOP CAPS	See top caps & socket pages at the back of the catalogue.		
TP25	CV1345 / TP25 Mazda UK NOS. Triode pentode frequency changer for battery operated receivers. Data http://www.r-type.org/exhib/aaa0700.htm	GB/WB	**4.25** **100 @ 3.50**
TP2620	Ediswan / Mazda logo - UK NOS. RF frequency converter tubes. NOS guaranteed. Need British B9 socket and 807 cap. Data www.mif.pg.gda.pl/homepages/frank/sheets/146/t/TP2620.pdf and www.r-type.org/exhib/aaa0571.htm	Mostly GVT	**5.00** **150 @ 3.00**
TRANSMITTER TETRODE	Differing quantities in stock of the following: Mullard: YK1046, YL1000 (gold pin), YL1080, YL1440, YD1040. RTC: YL1101. Philips: YL1371 Siemens: YD1040 equivalent ML7815.		**POA**
TRANSMITTER TUBES	Differing quantities in stock of the following: CPI Eimac: YC233. Eimac: Y739F, Y808, Y825, Y644, Y799, Y808, Y853. Eimac National: Y180. GE: Y1536, Y1937 nixie type.		**POA**
TRIODE	Please try **CV2130** Philips 125 watts Pa!		
TRIODE	Please refer to **CV9260** for a super low cost Mullard triode.		
TT11	MOV UK NOS. Mostly VT501 equivalent. Audio pentode. Clean and guaranteed.	GVT	**7.50** **30 @ 7.25**

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	Data: Vf = 6.3V, If = 800 Ma, Va = 300V, S = 3.5Ma/V, Pa = 7.5W.		
TT12	MWT, MOV and other UK NOS. Audio tetrode. GBP12 wholesale.	OB/WB	**POA**
TT15	MOV UK NOS. CV222 or CV4046. It is like two 6V6GT tubes in the same envelope. Data http://tubedata.itchurch.org/sheetsT1.html	GB/WB	**20.00** **4 @ 14.00** **24 @ 12.00**
TT15 **Grade One**	GEC/Osram, UK [CV4046]. Potential audio type. Tested as Grade 1.	G1	**12.00**
TT15	Equivalent to **CV4046.**		
TT21	An **Audio Amplifier** circuit diagram using TT21 is available.		
TT21	Chinese made. Look new, guaranteed. Tested as use but working average emission is around 65 percent. Even the Chinese item is rare. No longer made in China or anywhere else.	OB/WB	**30.00** **16 @ 27.50**
TT21	GEC sticker UK NOS. 2 pieces look the same. Estimate 1960s made. Almost totally extinct and impossible to find. Possibly the last 2 pieces in the world?	OB	**200.00** **2 @ 195.00**
TT21 **Grade One**	GEC sticker UK made. Tested as Grade One. These test nearly new, but look used, with small stains in the glass. Decent appearance, 4 pieces look similar. Similar to KT88 but top cap and different heater. Guaranteed. Data on request.	G1	**100.00** **4 @ 95.00**
TT22	GEC sticker UK NOS. 2 look the same. Tested. Similar to KT88 but top cap and different heater. Guaranteed. Data on request.	OB	**120.00** **2 @ 115.00**
TT22 **Grade One**	GEC sticker UK made. Tested as Grade One. These are used, not new, but decent appearance, approximate 80 percent emission. Similar to KT88 but top cap and different heater. Guaranteed. Data on request.	G1	**80.00**
TT22 USED	GEC UK manufactures. Tested, With guarantee.	WB	**POA**
TT100	GEC sticker UK NOS tested guaranteed. Audio type for class C amplifier. We have socket soc12B in stock. Data/photo www.tubecollector.org/tt100.htm & www.r-type.org/exhib/aaa1015.htm	OB/GB	**110.00**
TT100 USED	GEC sticker UK used, tested guaranteed. 2 only. We have sockets SOC12B, SOC12L in stock.	WB	**55.00**
TV4	Mullard UK magic eye, NOS tested, when available.	WB	**65.00**
TV4 USED	Mullard UK magic eye, used tested.	WB	**30.00** **2 @ 28.00**
TY2-125	East and West European manufacture.	OB/WB	**60.00**
TY2-125	Mullard logo UK NOS. Equivalent to CV1924. New, tested, guaranteed. Several in stock.	OB/WB	**90.00**
TY3-250	East and West European manufacture.	OB/WB	**90.00**
TY4-400	= 5867A = TB3/750. Industrial RF tube. Recent manufacture from one of the better Chinese factories. Factory tested. Guaranteed. Brand new. This is not a surplus tube. We are a reputable stockist, in the tube business for over 30 years.	OB/WB	**230.00**
TY4-400	Mullard, West European. NOS. 350 Watt dissipation 30 mhz transmitter triode. Few only. Same price wholesale or retail.	GB	**300.00**
TY4-400 USED	Mullard, West European. Used tested decent appearance guaranteed. Same price wholesale or retail.	WB	**100.00**
TY4-500	Mullard or other West European. NOS. Thought to be equivalent to 5868, TB4-1250. Will be tested with guarantee 12 months from dispatch date.	OB/WB	**300.00**
TY6-5000A	West European, Mullard and Philips made NOS. Slightly similar to 6960 but not equivalent. 6000 Watt anode dissipation, medium gain – mu 32 output triodes. A transmitter tube good for 75 MHz. Data http://scottbecker.net/tube/sheets/129/t/TY6-5000A.pdf	OB/WB	**500.00**
TY7-6000A	Mullard, Philips made NOS.	OB/WB	**POA**
TY7-6000A	Please refer to BR1106. These 2 tubes have similarities to each other, but are by no means equivalent.		

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TYPE	COMMENT	BOX	£ GBP PRICE each
TZ20	Taylor USA NOS. A power triode deigned for zero bias B class modulator. A pair would produce 70 watts audio power with 20 watt anode dissipation. Data/photo http://www.r-type.org/exhib/abh0317.htm	OB/WB	**20.00** **2 @ 17.50**
TZ40	Marconi or Taylor logo. USA made. Some white base, some brown base. NOS & tested. Photo www.rtype.org/exhib/abd0003.htm Data www.tubecollectors.org/taylor/archives/tz40.pdf	WB	**45.00** **4 @ 40.00**
TZ40 USED	Marconi or Taylor logo. USA made. Some white base, some brown base. Test as used. Look decent. Photo www.rtype.org/exhib/abd0003.htm Data www.tubecollectors.org/taylor/archives/tz40.pdf	WB	**22.00** **4 @ 17.00**
U10 **Grade One**	GEC sticker UK. Grade One.	G1	**22.50**
U12	MOV GEC UK NOS. Audio rectifier.	WB	**25.00**
U14	MOV GEC UK NOS. Audio rectifier.	GB	**25.00**
U14	Mullard UK NOS. Audio rectifier.	GB	**15.00**
U14 USED	MOV GEC UK. Used, tested. Audio rectifier.	WB	**12.50**
U14 USED	Mullard UK. Used, tested. Audio rectifier.	WB	**7.50**
U15	**MOV UK NOS.** Tested with guarantee. Audio rectifier, useful to go with DA60 or DET25 audio triode. 1 piece in stock. Extra quantity might be available from my supplier.	GB	**100.00**
U15 **Grade One**	**MOV UK.** Tests as Grade One. Guaranteed. Rectifier, useful to go with DET25 audio triode.1 only.	G1	**75.00**
U18	Or **FW4-800** GEC / MOV / Osram UK, NOS. 5 pieces of mixed appearance.	OB/WB	**180.00** **5 @ 170.00**
U18	Mullard etc has become rare now. Refer to **FW4-500 entry elsewhere in the catalogue.**		
U19	Marconi logo GEC UK NOS. Military print. Audio rectifier. Black base. Solid getter. Tested guaranteed.	Most GB	**45.00**
U19 / CV187	GEC or Marconi logo UK NOS. CV187. Audio rectifier. Black or brown base. Ring getter.	OB/WB	**45.00** **8 @ 30.00**
U19 / 19H1	These are 19H1 Ediswan UK NOS rectifier. Possible alternative, not equivalent to U19l audio rectifier.	GB/WB	**6.00**
U19 / 19H4	EEV blue logo, UK made NOS 19H4. Printed CV2180. EEV was part of GEC. These octal base 19H4 are half wave rectifiers have AUDIO potential & some similarities to U19. U19 data: B4 base - Vf=4.0V, If=3300Ma, Va=2500V, Ik=250Ma. 19H4 data: octal base - Vf=2.5V, If=1700Ma, Va=20000V, Ik=30Ma **19H4** data http://tubedata.itchurch.org/sheets16.html	OB/I	**10.00** **2 @ 8.00** **200 @ 5.00**
U19 / 836	These are Cetron 836**,** USA made NOS with logo. Guaranteed. Audio rectifier. These 836 have some similarities to U19. U19 data: B4 base - Vf=4.0V, If=3300ma, Va=2500V, Ik=250Ma. 836 data: UX4 base - Vf=2.5V, If=5000Ma, Va=5000V, Ik=250Ma. Data http://scottbecker.net/tube/sheets8.html	OB/GVT	**20.00** **20 @ 12.50** **80 @ 12.00**
U19 / AU5	These are AU5 equivalent to CV1111 and VU111. UK NOS. Audio rectifier with some similarities to U19. U19 and AU5 are both B4 socket with top cap. AU5 data www.tubecollector.org/vu111.htm A single high vacuum rectifier diode – can rectify 50Ma at 5,000 Filament voltage AU5 4V / Filament voltage U19 4V Filament current AU5 1.1A / Filament current U19 3.3A Max RMS INPUT AU5 5Kv / Max RMS input U19 2500 Max PIV AU5 12.5Kv / Max PIV U19 7.1K Max no-load PIV AU5 14Kv / Max PIV (<10µs) 10.0I Max mean DC rectified current AU5 50Ma / Max mean cathode current 250M Max peak anode current AU5 350Ma / Max peak anode current u19 2A	OB/GVT	**5.00** **10 @ 4.75**

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TYPE	COMMENT	BOX	£ GBP PRICE each
	Max reservoir capacitor AU5 1.2µF Max limiting resistance AU5 4k ohm Min limiting resistance, 250 ohms including transformer resistance, in anode		
U24	UK/USA NOS. Good quantities in stock. Please enquire.	Most OB	**POA**
U26	Mazda logo, UK NOS. A rectifier tube designed for television high voltage supplies. Data www.mif.gda.pl/homepages/frank/sheets/147/u/U26.pdf	Mostly GVT	**1.20** **100 @ 0.80**
U31	Equivalent 25Z4. Hundreds of UK or USA NOS in stock.	Mostly GVT	**3.20** **100 @ 2.50**
U37 / CV4061	GEC, UK NOS. Potential audio type. Nice 1970s vintage British made GEC Genelex CV4061. High voltage double diodes. Data U37: Vf = 1, 4V, If = 140 Ma, Va = 15000V, Ik=2Ma More data www.tubecollector.org/cv4061.htm	GB	**4.00**
U50	MOV UK, NOS. Grey or black anode. Very rare item. Few pieces in stock this month.	OB/WB	**60.00** **4 @ 55.00**
U50 / 5W4	USA NOS. These 5W4 USA are similar but not equivalent to U50.	OB/WB	**4.60** **20 @ 3.75**
U50 **Grade One**	Marconi sticker or logo. Grade 1. Looks used but tests nearly new. Grey or black anode. Very rare item.	G1	**40.00** **5 @ TBC**
U76	NOS West European.	OB/WB	**5.75** **50 @ 5.00**
U101	UK/USA NOS. Good quantities in stock. Please enquire.	Most OB	**POA**
U191	Mazda logo, UK NOS. A rectifier tube designed for television EHT etc. We also have U301, that is similar not equivalent. Data: http://www.tubedata.info/ if you have difficulty please contact our office.	Most OB	**3.20** **200 @ 2.80**
U801	Mazda logo UK NOS. 40 in stock.	OB/WB	**8.00**
UABC80	8 x Telefunken, 2 x Mullard, 2 x Marconi West European made. NOS.	OB/WB	**12.00**
UABC80	We have a British made UABC80 with yellow lettering from the Mullard Golden Jubilee year in 1969. http://www.r-type.org/exhib/ace0013.htm		
UAF42 / 12S7	These UAF42 have similarities to EF86. Philips NOS. West European made. A popular RF/IF amplifier tube. Rimlock B8A socket to fit from stock, ref SOC89SKS. Data http://tubedata.itchurch.org/sheetsU.html Good quality B8A sockets are also made in China (socket fits UAF42, EL41, EF40, ECC40 & AZ41). UAF42 is a diode - pentode. The pentode section is similar to EF86. UAF42 data: heater 12.6v at 100mA, anode 200v, screen 85v. Grid -2V. Anode 5 mA. Emission 2.0 MA/V.	BP/WB	**2.00** **8 @ 1.34** **80 @ POA**
UB41	Mullard, West European.	OB	**4.00** **30 @ 3.50**
UBC41	When available wholesale price is GBP7.00. NOS.	OB/WB	**POA**
UBC81	West European made NOS. Philips, plus some Mullard and a few Telefunken.	Most OB	**5.00** **5 @ 3.60** **150 @ 3.25**
UBF80	Bentley acoustic made in Russian. NOS guaranteed.	WB	**3.00** **5 @ 2.00** **200 @ 1.80**
UBF80	A small quantity of Mullard UK / Holland and Telefunken West German with ◊. Also enquire about 200 pieces Russian EBF80 at lower prices.	OB	**3.00 Mullard**
UBF89	500 pieces Bentley acoustic logo Russian. UBF89 equiv to 19FL8. The UBF89 is an RF or IF amplifier pentode with 2 diodes. Data http://tubedata.itchurch.org/sheetsu.html	OB	**2.40** **10 @ 1.50** **500 @ 1.20**

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TYPE	COMMENT	BOX	£ GBP PRICE each
UF89	Mullard or other West European made. NOS.	Most OB	**6.50**
UBF89	A small quantity of Mullard UK / Holland and Telefunken, West German with ◊. Also enquire about 200 pieces Russian EBF80 at lower prices.	OB	**3.00**
UC92 / 9AB4	East Euro NOS.	OB/WB	**5.00** **8 @ 4.00** **200 @ 3.60**
UCC84	Mullard, Western European.	OB/WB	**3.00**
UCC85	RFT German made NOS. These are UCC85 which are a near equivalent to ECC85 but these UCC85s have a 26 volt heater. NOS Clean and all identical with guarantee. UCC85 data: Vf=26V, If=100ma, Va=200V, Ik=10ma, S=5.8Ma/V, Pa=2x2.5W. ECC85 Russian are becoming rare and expensive. Instead, we have large stocks of UCC 85 at bargain prices. More UCC85 data at the tubedata.itchurch website.	WB	**4.00** **100 @ POA**
UCH11	RFT East German, NOS.	OB/WB	**6.00**
UCH11	Telefunken + other West German, NOS.	OB/WB	**12.00**
UCH42 / 14K7	Philips, West European NOS. A triode–hexode converter or amplifier / phase splitter tube. Rimlock B8A 89SKS socket to fit in stock. Data http://tubedata.itchurch.org/sheetsU.html	OB/WB	**4.50** **20 @ 3.00** **100 @ 2.50**
UCH81	Tungsram Hungary NOS.	WB	**4.00**
UCH81	Tungsram Hungary NOS. These are bulk pack/egg crate.	BP	**100 @ 2.20 each**
UCL81	Glotron, German. NOS 1980s. A B9A signal amplifier and output triode, pentode. Operate voltage 170-200. They give 2.5 watts single ended. Vade mecum. Please add 0.25GBP per tube if white box required. Data http://frank.pocnet.net/vademecum5.html	BP	**5.00** **8 @ 4.50** **300 @ 3.50**
UCL82	Mullard NOS, Western European.	OB/WB	**15.00**
UCL82	2 or 3 Eastern European brands including Tungsram. Similar to ECL82 but different heater.	WB	**10.00** **10 @ 8.00**
UCL83	Mullard, made in Holland. Similar to ECL83 but different heater. A signal amplifier and output triode - pentode. Operate voltage 170-200V. Would make a good single-ended or push-pull low power audio, guitar or headphone amp. Output is 2.5watts single-ended. Deduct 25 pence if you accept without a box. Data www.mif.pg.gda.pl/homepages/frank/sheets/129/u/UCL83.pdf	OB/WB	**5.00** **10 @ 4.00** **300 @ 2.00**
UF41	Philips Miniwatt, NOS. West European. Tested.	OB/WB	**7.00** **50 @ POA**
UF80	Bentley acoustic logo, East European.	OB/WB	**2.75** **10 @ 2.40** **70 @ 2.10**
UF85	Telefunken logo, West European with ◊. Also enquire about 100 pieces Russian at a lower price.	OB/GVT	**Telefunken 5.00**
UF86	Mullard logo UK/Holland. NOS.	OB/WB	**5.00** **10 @ 2.40**
UL11	Telefunken.	WB	**POA**
UL41	Mullard, Philips NOS.	OB/WB	**25.00**
UL41	Tungsram. Made in Hungary.	WB/OB	**16.00**
UL41 USED	Mullard, Philips. Used, tested.	OB/WB	**12.50**
UL41 USED	Tungsram. Made in Hungary. Used, tested.	OB/WB	**8.00**
UL41 / 10P13	These are 10P13 NOS, Mazda & other West European. 10P13 has a slightly different heater and base, compared to UL41, but this doesn't matter in AC/DC radio. 10P13 plugs in successfully to UL41 socket.	OB	**8.00** **10 @ 6.00**
UL44	Mullard, UK/Holland with Mullard, logo.	OB	**6.00** **20 @ 3.50**

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TYPE	COMMENT	BOX	£ GBP PRICE each
UL84	East European manufacture. 100 pieces all the same appearance, new tested guaranteed. Deduct 25p if you accept in bulk pack / egg crate ie without white box.	OB/WB	**8.00** **30 @ 11.00** **100 @ 10.00**
UM4	Philips & other West European manufacture eg Mullard, NOS.	OB/WB	**45.00**
UM4 USED	Philips & other West European manufacture eg Mullard, used and tested.	WB	**22.00**
UM34	West Euro made. NOS	OB/WB	**24.00**
UM34	Various brands. NOS.	OB/WB	**30.00**
UM80	Mullard.	OB/WB	**9.50**
UL84	Mullard or Marconi UK NOS. Very small quantity.	OB/WB	**20.00**
UM84	Philips & other West European manufacture.	OB/WB	**8.50**
UR1C	Mullard, NOS. Like UY41 or U19 but much lower power. Half wave rectifier. B5 base. Data/photo http://www.r-type.org/exhib/aaa0644.htm	OB/WB	**5.00** **36 @ 4.00**
UU3 USED	Mazda. UK made. Balloon shape. Used, tested.	WB	**32.00** **2 @ 30.00**
UU4 **Grade One**	Mazda logo UK. Grade one.	G1	**20.00**
UU5	Mazda logo UK NOS. Genuine version with “8 hole anode”. MU14 is equivalent but different anode design etc. These are genuine Mazda UK UU5.	OB/GB	**27.50**
UU5 **Grade One**	Mazda logo UK Grade One. Genuine version with “8 hole anode”. Not new appearance but decent appearance.	G1	**20.00**
UU6	Mazda logo UK NOS.	OB/GB	**22.00**
UU7	Mazda logo UK NOS. Genuine version with “8 hole anode”.	OB/GB	**77.00**
UU7 **Grade One**	Mazda logo UK. Tests as Grade One. Not new appearance but good appearance. Genuine version with “8 hole anode”.	G1	**40.00** **3 @ 35.00**
UU7 USED	Mazda logo UK. Used and tested. Genuine version with “8 hole anode”.	WB	**1 @ 35.00**
UU8	Mazda UK NOS. Mazda octal socket to fit, from stock, ref SOC89MC.	OB/WB	**30.00**
UU9	MOV UK NOS. Equivalent EZ40.	OB/WB	**5.00**
UX-CV-11	1 only. United logo USA NOS is a 65 watt triode with a mu of 14 designed for full ratings to 30 MHz. Similar to a 211H. Max voltage = 1500, Max current = 150 ma, fil voltage = 10, Fil current = 2.5 amps. Data http://www.tubecollectors.org/united/archives/uxcv11.pdf It’s similar to a 211H, data http://frank.pocnet.net/sheets2.html	OB/WB	**125.00** **2 @ 120.00** **4 @ 100.00**
UY41	UK. NOS. Mullard or Mazda. Availability varies.	Most OB	**9.00**
UY82	Rectifier, near equivalent to UY85 Mullard, West European manufacture.	OB/WB	**2.00** **300 @ 1.50**
UY85	Mullard/Philips West European. NOS.	OB/WB	**12.00** **10 @ 11.00**
UY85	West European. NOS. Mullard, Mazda, Brimar, Siemens & MWT/Marconi.	Most OB	**11.00** **30 @ 9.00**
UY85	East European NOS.	OB/WB	**10.00** **30 @ 8.00**
V914	Mazda logo. UK NOS. Balloon shape. An indirectly heated double diode designed for HF signal detection. Data/photo www.r-type.org/exhib/aaa1005.htm	OB/WB	**14.00** **6 @ 13.00**
VA216	UK. NOS.	Most OB	**14.00**
VA222A	Varian USA / UK NOS.	OB	**175.00**
VCR139A	GEC UK NOS. 2.5 inch screen. CRT. **Equivalent to CV279 and CV1588.** GEC UK NOS. 2.5 inch CRT.	OB	**17.00** **30 @ 13.00**
VCL11 **Grade One**	Valvo. Tested as Grade One. 1 only in stock.	G1	**37.50**
VF14 USED	1piece only. Used and tested maybe available from our supplier.	WB	**POA**

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TYPE	COMMENT	BOX	£ GBP PRICE each
VF14	Please consider **EF14**, which is similar but has different heater voltage. VF14 is very scarce and expensive.		
VLS492AG	New old stock STC UK, CV1521, VLS492AG, CRT.	OB/WB	**30.00**
VMS4/VMS4-B	UK NOS, few pieces.	OB/WB	**15.00**
VMS4/VMS4-B USED	UK. Used and tested, few pieces.	OB/WB	**7.50**
VP4B USED	West European. Used, tested eg Mazda.	WB	**10.00**
VR91	UK/USA NOS. Good quantities in stock. Please enquire.	Most OB	**POA**
VR105-30	Equivalent to **OC3** USA NOS, mix USA brands. Sylvania, Westinghouse, RCA. A gas discharge tube/voltage regulator. Needed for Leslie speakers. Leslie still make speakers fitted with OC3. Data http://tubedata.itchurch.org/sheetsV.html	OB/WB	**5.00** **10 @ 4.00** **50 @ 3.50**
VR130	NOS. USA. Please enquire for a price.	OB/WB	**Stock**
VR150-30	Choose Westinghouse or Marconi, 100 of each. Canada. Unused but imperfect getter appearance. Equivalent to OD3.	OB	**3.00** **100 @ 2.00**
VR150-30	USA NOS Westinghouse Marconi, GE & other USA made brands, 100 of each. USA good condition, NOS.	OB	**5.00** **100 @ 4.00**
VR150-30	Visseaux logo, French made. NOS. Potential audio type. 150 all the same. For data & equivalents refer to VR150-30 Hytron paragraph, above.	GVT	**7.00**
VS10G	CV5290. Trochotron counting device. UK/USA NOS. Data: http://www.tubedata.info/ if you have difficulty please contact our office. If your hobbies include nixes, dekatrons, this might interest you.	GB	**30.00** **5 @ 25.00**
VT5	Western Electric logo, in stock. Equivalent to WE 215A. 3 pieces. The first WECO tube is also called peanut-tube due to its small size; it was sold as 215A in the early **1920s**. Data for 215A WE http://tubedata.itchurch.org/sheets2.html Photo http://www.radiomuseum.org/tubes/tube_vt-5.html	OB/WB	**45.00** **3 @ 40.00**
VT127A	EIMAC, Raytheon, NOS. Equivalent to 227A. USA brands. NOS. Vf 10.5 Volts, If 10.7A. VHF triode or audio power triode. ***4 wires/prongs emerge from the glass***. Sometimes available.	OB/WB	**50.00**
VT52	Please refer to product code 45.		
VX64	Victoreen UK or USA made NOS.	GVT	**5.00** **60 @ 3.00**
VX2630 USED	EEV T.W.T. Used but working and clean.	OB/WB	**POA**
VX8046	Mullard UK NOS. These CV466 are sub miniature wire ended audio pentodes. Good quantities available. Please enquire.	GB/WB	
VX8046	CV466 equivalent to VX8046		
VX8167	Mullard, 7 flying leads. Wire ended. May be equivalent to EL70. Data available on request.	GVT	**POA** **1,000 @ POA**
VX9174	UK/USA NOS. Good quantities in stock. Please enquire.	Most OB	**POA**
W7-1D	UK/USA NOS. Good quantities in stock. Please enquire.	Most OB	**POA**
X65	GEC UK. NOS. Clear glass GT. We might have 100 pieces CV1193 equivalent.	GVT	**4.80** **100 @ 4.00**
X65	GEC UK. NOS. ST shape. Includes VR99.	OB/WB	**12.00**
X78 or X79	Both are the same price. UK made. NOS.	OB/WB	**12.00**
XB1	Hivac USA. Barretter.	WB	**3.50** **1,000 @ 1.80**
XC15	NOS USA / West Europe. 8 in stock.	OB/WB	**4.00**
XC12	UK / USA. NOS. All seem to be the same appearance. Deduct 25p, if you accept bulk pack/ egg crate instead of white box.	WB	**3.80** **200 @ 3.00**
XC12T	NOS USA / West Europe. 18 in stock.	OB/WB	**4.00**
XC18	CV2486 UK/USA NOS. A cold cathode Nixie.	Mostly OB	**9.00** **60 @ POA**
XC23	UK/USA NOS. Good quantities in actual physical stock. Please enquire.	Most OB	**POA**

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XG2-500	Mullard, logo UK NOS. Near offers considered. Data is at **CV1144** equivalent, on website. http://frank.pocnet.net/other/ServiceTypes/CVnumbers.html	OB	**40.00** **10 @ 30.00**
XL635	EEV UK NOS. Glow modulator. Data from EEV catalogue available. 20 pieces in stock.	OB	**300.00** **20 @ POA**
XP3402B	Mullard. Photo multiplier. End viewing. 2 inch multi-stage tube, UK NOS.	GB	**50.00**
XR1-1600A	Mullard, Philips & other West European made. 6 pieces NOS.	OB/WB	**50.00**
XR1-3200	Mullard, Philips & others. NOS stock.	OB/WB	**POA**
XR1-6400	Mullard, Philips & others. NOS stock.	OB/WB	**POA**
Y11-2741	NOS West European made. Thompson.	OB/WB	**20 @ POA**
Y11-2424	NOS West European made. Thompson.	OB/WB	**20 @ POA**
Y63	Magic eye West European made NOS.	OB/WB	**15.00**
Y65	CV51 magic eye. GEC UK made NOS. Octal base tested new and unused. Some similarities to EM34 but not equivalent.	GB	**14.00** **30 @ 11.00**
Y739F	Eimac USA NOS. Tested, With guarantee. Made In 1994. **New and unused. Price negotiable.**	OB	**POA**
Y799	Eimac. NOS.1990s made. Similar to 4CX250B but Y799 has a heat sink, instead of radiator fins. Y799 is an ideal audio power amplifier, high current. It cools via a heat sink which avoids usage of noisy fans. Data/photos of 4KC160/ Y799 at www.r-type.org/exhib/aaa1240.htm. Y799 is equivalent to CCS eev.	OB	**32.00** **40 @ 25.00**
Y799 USED	Eimac. 1990s made. Clean tested used. Decent appearance. Similar to 4CX250BC.	WB	**16.00**
Y808	Eimac, USA NOS. With guarantee.	OB	**32.00**
Y825	Eimac, USA. With guarantee. Tested as new. Offers considered if taking all.	GVT	**400.00** **10 @ 300.00**
Y825	Eimac, USA NOS. With guarantee.	GVT	**POA**
Y853	Eimac NOS.	OB/WB	**POA**
YC233	CPI/Eimac. USA. NOS. 2 pieces in stock.	WB	**OFFERS**
YD1051	Siemens or Philips West Europe. NOS. Coaxial triode Data www.radiomuseum.org/tubes/tube_yd1051.html	OB	**22.00** **60 @ 17.00**
YD1051 / 6816	AEG German NOS. Coaxial triode. Data www.radiomuseum.org/tubes/tube_yd1051.html	OB	**30.00** **50 @ 22.00**
YG1000	Telefunken NOS. Directly heated electrometer tetrode with oxide cathode and space charge grid, grid current ≤600 Aa, magnoval base with input grid on top cap.	OB	**16.00** **35 @ 13.50**
YL1000	Mullard, UK Holland. Equivalent 8463	OB	**16.00** **10 @ 13.50**
YL1080	Mullard logo UK NOS. Equivalent 8348.	Most OB	**20.00**
YL1101 / 6816	**RTC** Holland NOS. Coaxial tetrode; 115W Pa, 1.2GHz. Data https://www.radiomuseum.org/tubes/tube_6816.html	OB	**36.00** **20 @ 30.00**
YL1150	Mullard, UK Holland NOS. Huge possible audio tetrode/ strap it up as a triode. 75W Pa, 200W in AB1 at 600V, with G2 250V, gm 35. Data: http://www.tubedata.info/ if you have difficulty please contact our office.	OB/WB	**150.00**
YL1190	Mullard, UK Holland. Equivalent 8580. Possible audio double tetrode with an instant heating 1.1v heater. Also suits mobile RF transmitter finals. Data http://tubedata.itchurch.org/sheetsY.htm Photo www.radiomuseum.org/tubes/tube_yl1190.html	OB	**13.00** **50 @ 10.00**
YL1240	Mullard UK Holland. Equivalent 8548.	OB	**12.00** **10 @ 10.00**
YL1250	Philips NOS. UK Holland. Equivalent to 8505. Data http://www.dl7avf.info/charts/roehren/penrfpa.html#YL1250	OB	**14.00** **50 @ 11.00**
YL1440	Philips NOS. UK Holland. 2.4kw VHF air cooled power tetrode.	WB	**175.00**

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TYPE	COMMENT	BOX	£ GBP PRICE each
	Suitable as a linear broad-band amplifier in TV transmitters in band I and III, or AM/FM broadcast, TV transporter Service. Data on request.		
Z2B	RWN East German manufacture, brass base. Socket 7E2D to fit this valve in stock.	WB	**16.00** **12 @ 16.00**
Z2B **Grade One**	RWN East German manufacture, brass base. Tested as Grade One.	G1	**12.00**
Z2C	RWN East German NOS. Socket 7E2D to fit this valve in stock. Audio rectifier.	WB	**40.00**
Z2D	Siemens West German NOS. Socket 7E2D to fit this valve in stock. Audio rectifier.	WB	**40.00**
Z2E	Siemens West German NOS. Socket 7E2D to fit this valve in stock. Audio rectifier. Data on request.	WB	**40.00** **6 @ 30.00**
Z300T	Mullard logo, UK. NOS cold cathode tube or Thryatron, similar to OA4G. Data http://tubedata.itchurch.org/sheetsZ.html	OB/WB	**5.00** **50 @ 4.00**
Z300T	Mullard, logo UK NOS. Thyratron. Equivalent to PL1267, 1267, 0A4G, RL1267. Data: http://www.tubedata.info/ if you have difficulty please contact our office.	OB/WB	**8.25** **10 @ 5.50** **50 @ POA**
Z303C	Mullard, logo UK NOS. Dekatron. When available. Data: http://www.tubedata.info/ if you have difficulty please contact our office.	OB	**POA**
Z319	**Audio type.** Equivalent to CV2276. 6351. NOS. UK made STC or ITT. Most have logo. NOS. A high gain B9A secondary emission pentode. Data www.r-type.org/exhib/aai0023.htm	Mostly GVT	**4.50** **100 @ 3.25**
Z502S	UK NOS. Dekatron. Maybe equivalent to GC1C/S. Data: http://www.tubedata.info/ if you have difficulty please contact our office.	OB/WB	**12.00** **5 @ 10.00**
Z520M	Mullard, NOS. Nixie tube. Maybe equivalent to ZM1020, Z560M? This display tube has 10 shaped anodes, each shaped as a digit from 0 to 9. Operating voltage 150V. End window is 29mm diameter, 25mm long excluding pins. Data/photo www.r-type	OB	**Prices below**
Z520M	We may have 10 pieces each of the following **Nixie** tubes. NOS. Z520M, ZM1022, GC10B.	OB/WB	**12.00**
Z700U	Mullard, logo NOS West European made. When available.	OB/WB	**2.00** **100 @ 1.80** **300 @ 1.65**
Z759	These are Z759 GEC sticker or GEC logo. 10 printed Z759. 70 printed CV5235. 120 printed CV5060. UK NOS. Tested/guaranteed. Data for Z759 and all other types http://tubedata.itchurch.org/sheetsZ.html ***Z759 has similarities to 3A-167M, D3A, 417A, EF86 and 5842, but not equivalent***.	OB/GVT	**10.00** **10 @ 9.00** **70 @ 8.00**
Z759 USED	GEC logo UK. Used, tested, guaranteed CV5060. This is Z759 **not** Z729.	OB/GVT	**6.00**
Z803U	Mullard, logo, UK, NOS. Suitable for audio compressors. Bargain price. Data www.tubedata.org	OB	**5.00** **10 @ 4.50** **100 @ 3.90**
Z803U	West European including Mullard.	OB/WB	**5.00** **100 @ 4.50**
Z806W	West European including Mullard.	OB/WB	**5.00** **100 @ 4.50**
ZA1000	West European including Mullard.	OB/WB	**5.00** **100 @ 4.50**
ZM1000	West European, Philips, NOS.	OB/WB	**21.00** **15 @ 20.50**
ZM1020	Telefunken Mullard etc logo West Europe NOS. Nixie tube.	OB/WB	**16.00**

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TYPE	COMMENT	BOX	£ GBP PRICE each
	This maybe a near equivalent to ZM1022, Z560M or Z520M. Data on request.		
ZM10323	UK or USA made NOS. Nixie tube. Data https://frank.pocnet.net/sheetsZ.html	OB/WB	**20.00** **4 @ 16.00**
ZA1020	RTC West European made NOS. Seems to be a high voltage stabiliser, looks similar to 85A2. Data is on page 22 of this link or ask our office for data. Data http://tubedata.itchurch.org/sheets81.html	WB	**3.00** **10 @ 2.40** **400 @ 2.00**
ZM1021	Alias CV8572 Telefunken Mullard etc, West Europe NOS. Nixie tube.	OB/WB	**12.00** **20 @ 10.00**
ZM1021	Telefunken, Mullard etc, logo West Europe NOS. Nixie tube. This maybe a near equivalent to ZM1022, Z560M or Z520M. Data on request.	OB/WB	**15.00** **20 @ 13.00**
ZM1022	Telefunken, Mullard etc, logo West Europe NOS. Nixie tube. This maybe a near equivalent to ZM1022, Z560M or Z520M. Data on request.	OB/WB	**16.00**
ZM1022	Telefunken logo West Europe NOS. Nixie tube. This is maybe a near equivalent to ZM1020, ZM1022, Z560M or Z5600M Z520M. This display tube has 10 shaped anodes, each shaped as a digit from 0 to 9. Gas discharge around the chosen anode indicates the value chose. Operating voltage 150V. End window is 29mm diameter, 25mm long excluding pins. Photo/data for Z520M a similar item www.r-type.org/exhib/aabo156.htm	OB	**20.00** **20 @ 17.50**
ZM1022	West European NOS. 15 pieces should be in stock.	OB/WB	**POA**
ZM1040	These nixies are partly similar to 8421/5092A, but different pinout. The lit digits are +175VDC with 39K in series. They are very bright, but require little energy. 13 pin round sockets. Giant vertical view tubes, with red contrast filter.	OB/WB	**POA**
ZM1080	Mullard, NOS. 17 pieces. West European made. Nixie tube. Data http://frank.pocnet.net/sheets/013/z/ZM1080.pdf Photo http://www.andycowley.com/valves/opto/Nixies/ZM1080/ZM1080.php	OB/WB	**12.00** **17 @ 10.00**
ZM1162	Mullard logo, West Europe, NOS. Nixie tube.	OB	**16.50**
ZM1162 USED	Mullard logo, West Europe, used but guaranteed. Nixie tube.	OB	**8.50** **5 @ 7.50**
ZM1180	Siemens West Europe NOS. Nixie tube. Data on request.	OB/WB	**22.00** **5 @ 20.00**
ZP1550	Geiger Muller Counter Tubes by Centronic. Equivalent to MX188 Mullard, NOS/ new guaranteed. UK or USA made.	OB	**55.00** **35 @ 45.00**
ZZ1000	Mullard, West Europe.	OB/WB	**5.00** **10 @ 4.00**
ZZ1040	Siemens West Europe. NOS Voltage Regulator. Data http://frank.pocnet.net/sheets/128/z/ZZ1040.pdf Photo http://www.radiomuseum.org/tubes/tube_zz1040.html **There is some flexibility on ZZ1040 prices.**	OB/WB	**5.00** **5 @ 3.00** **80 @ 2.50**

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DISPLAY ITEMS

DISPLAY ITEMS	In stock. Various large valves/ Klystron/ Thyratrons/ TWT etc that are used, decent appearance, untested and sold as **DISPLAY ITEMS only. NOT WORKING**. **Photos:** ask us. **Data may exist at** http://www.r-type.org/search.php Items like this include 5C22, 5949, CX1559, CX1140, 6975, CV2298, CV6117, CV6223, CV360, CV447, ACT28/CV2163, ACT6, ACT9. **Many of the above items are more than 12 inches / 30cm tall.** You can see photos of these items that are new and working, on our website or eBay page. Alternatively photos can be emailed to genuine customers. What we are supplying in this price bracket, are **used**, decent appearance and tested. **NOT WORKING, FOR DISPLAY ONLY.**	OB/WB	**POA**
DISPLAY ITEMS	More large valves/ Klystron/ Thyratrons/ TWT etc that are used, decent appearance, **NOT WORKING** and sold as DISPLAY ITEMS. Items include: CV360, CV6173, CV2298, CV6107. Prices between GBP15 plus VAT and post up to GBP30 plus VAT and post. **Photos:** ask us or http://www.r-type.org/search.php OR put into Google, the words "tube XYZ, radiomuseum.Org" Many of the above items are more than 12 inches/30cm tall. ***These are USED, decent appearance NOT WORKING, for display only. 30 pieces in total.***	WB	**POA**
DISPLAY ITEM	**TP1-15/20, 50cm tall**! Probably NOS and unused but sold as not working, for display only. 6 AMP 15,000V, Russian Thyratron. Own a fascinating piece of history, to put in your bookcase! Photo/data available quickly on request. Overseas post is expensive due to tall size. Collection possible, strictly by prior appointment.	WB / optional wooden crate	**20.00** **4 @ 18.00** **GBP12.00 courier to UK.**
	TP1-15/20 NOS and unused, guaranteed. 6 AMP 15,000V, Russian Thyratron. Cathode type oxide, indirect heating. Filament voltage, V 5. Filament current, A 16-23. A-C voltage, V 18. Grid voltage, V minus 30-5. Max. average cathode current, A 20. Max. reverse voltage, kV 15.		**1kg weight but overseas post is expensive due to tall size.** **GBP12.00 courier to UK.**

CAPACITORS

Oil Fill Paper Block Capacitors	We have the following oil filled paper block capacitors. These are NOS, clean, tested/guaranteed. They are made by **Dubilier** or **TCC** in England. Great for audio amplifiers.		
	1MFD @ 440 volts	23	**12.00**
	2MFD @ 220 volts	26	**12.00**
	2MFD @ 250 volts	13	**12.00**
	2MFD @ 400 volts	9	**12.00**
Potentiometer	Litton made, vintage UK NOS, details on request.	Colourful OB	**1 @ POA**

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COMPP25	Nice quality item		**100 @ POA**
Fuse **COMPP75**	Probably UK USA made. Ceramic fuse. 2 amps, details on request	OB/WB	**1 @ POA** **2,000 @ POA**

BILLINGTON EXPORT LTD

TOROIDAL TRANSFORMERS

Advantages of toroidal transformers for audio amplifiers

They are highly efficient which allows them to be conservatively rated without causing size or weight problems.

There are no loose laminations or air gaps in the design. This, together with the absence of any external field, makes the toroidal transformer very suitable for audio amplifiers where electrical and mechanical noise must be avoided.

OUR REFERENCE	AMPLINO CODE	COMMENT	BOX	£ GBP price each
COMPMT101	**XA261**	Toroidal power transformer for audio amplifiers, made by Amplimo in Holland to EN61558 121VA. Diameter 98mm / Height 48mm / weight 1.4kg Primary 2 x 115V Secondaries 300V/310Ma; 6.3V/4A; 10V/0.1A; 20V/0.1A Data sheet & photo available on request	OB	**42.40** **15 @ 35.00**
COMPMT102	**38010**	Toroidal power transformer for audio amplifiers, made by Amplimo in Holland to EN61558 80VA. Amplino code 38010 Diameter 91mm / Height 35mm / weight 0.9kg Primary 230V. Secondaries 2 x 6V/6.67A Data sheet & photo available on request	OB	**25.00** **7 @ 20.00**
COMPMT103	**7N1587**	Toroidal power transformer by Amplimo. EN61558 314VA. Amplino code 7N1587. Primary 2 x 0 – 110V – 120V, secondaries 0-360V/0.7A; 0-6.3V/9A; 0-50V/0.1A. SOLD OUT	OB	**POA**
COMPMT104	**1N242**	Toroidal power transformer for audio amplifiers, made by Amplimo in Holland to EN61558 30VA 1999 - 2010 manufacture (230V Primary). Diameter 70mm / height 34mm / weight 0.44kg. Primary 1 x 230V 50/60 Hz Secondaries 230V/60Ma; 6.3V/2.5A Data sheet & photo available on request.	OB	**25.00** **4 @ 18.00**
COMPMT105	**4N1241**	Toroidal power transformer for audio amplifiers, made by Amplimo in Holland to EN61558, 76VA Amplino code 4N1241. Diameter 95mm / Height 51mm / Weight 1.2kg Primary 2 x 115V Secondaries 275-175-0-175-275V/80Ma; 3.15-0-3.15V/2.5A; 0-5.0-6.3V/2.5A Diameter 70mm / Height 34mm / Weight 0.44kg Primary 2 x 115V Secondaries 230V/60Ma; 6.3V/2.5A Data sheet & photo available on request	OB	**60.00** **2 @ 55.00**

BILLINGTON EXPORT LTD

SOCKETS

We can usually supply top caps and sockets for every valve listed in this catalogue, most supplies are from stock, however there may be some delay on very rare types.

Photographs of most of the following sockets can be sent to you by e-mail or post/airmail

TYPE	ORDER CODE	COMMENT	BOX	£ GBP PRICE EACH
SPECIAL ITEMS				
4CX250B	**SOC84CX**	UK or USA socket for 4CX250B. Used but clean and guarantee. We might be able to obtain new versions at a higher price.	BP	**30.00**
4CX250B	**SOC84CX CH**	UK or USA chimney socket for 4CX250B. Used but clean and guarantee. We might be able to obtain new versions at a higher price.	BP	**15.00**
4CX1000A			BP	**POA**
833A	**SOC833**	Socket for 833A. Chinese. Ceramic ring with 2 metal clips. Nice quality, current production item. We have top caps/anode caps for 833A, refer to TOP805. This socket fits 833A & GU48. Plated contacts, good tight contact with valve pins.	BP	**20.00**
Fits 6111	**SOC86111**	Ceramic moulded PCB. Fits wire ended flying lead valves such as 6111 and 6112. NOS. West European made	BP	**2.50** **100 @ 0.60** **1,000 @ 0.50**
4 PIN SOCKETS				
SK600	**SK600**	**Ceramic chimney. Suits the sockets for 4CX250B.** Eimac USA made NOS clean guaranteed.		**20.00** **6 @ 10.00**
SK600	**SK600**	**PTFE chimney. Suits the sockets for 4CX250B.** USA made NOS, store soiled appearance but NOS and guaranteed.		**12.00** **60 @ 8.00**
SK610 **Fits CV57**	**SOC457**	Chassis mount. NOS clean, UK, guaranteed. Fits CV57.	OB/ WB	**30.00** **5 @ 20.00**
SK700		**Sockets for 4CX250B.** Eimac USA made NOS clean, guaranteed. 6 pieces. Offers considered.	OB	**50.00** **6 @ 40.00**
5C22	**SOC4 – 5C22**	New 4 pin socket for 5C22.	GVT	**49.00**
4212E	**SOC47E**	Chassis mount, black material. The phosphor bronze contacts withstand high voltages. Fits 4212E. Handmade in the UK exclusively for Billington BUT we no longer make this item. 2 pieces only.	BP	**55.00**
B4	**SOC4B4 / B5B**	Chassis mount, black material, bronze pins. Handmade in the UK exclusively for Billington. Fits PX4, PX25, ML6, 3A-110B, etc. Please note we no longer make this socket, only limited quantity left in stock.	BP	**5.00**
B4	**SOC4B4 / B5C**	Chassis mount Chinese white ceramic. Use with ML6, PX4, PX25.	BP	**3.00** **5 @ 2.00** **100 @ 1.80** **300 @ 1.60**
B4	**SOC4B4 / B5V**	Chassis mount. Vintage UK made.	BP	**7.50**
B5	**SOC4B4 / B5CUK**	Chassis mount, very high quality UK made NOS ceramic construction. Resists high temperature and high voltage, suitable for U19 another high power tubes including PX4, PX25, this is a B5 socket, but can be fitted as a B4 socket. Also fits 3A-110B, etc.	BP	**Currently out of stock, please enquire**
DA100	**SOC45DA**	4 pin, black amphenol with phosphor bronze contacts.	BP	**POA**

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		Fits DET25 and DA100.		
JUMBO 4 PIN	**SOC41C**	Ceramic, for 211, 845, VT4C etc. Chinese manufacture, current production. New and clean.	BP	**8.00**
JUMBO 4 PIN	**SOC41US**	Johnson USA made, jumbo bayonet, ceramic socket for 211/845. Used but decent condition, working. Terminals with nuts are all fine. Porcelain glazed top and sides, phosphor bronze contacts.	BP	**15.00** **4 @ 12.00**
JUMBO 4 PIN GOLD	**SOC42G**	Contacts and pins both gold plated, for 211, 845. Chinese manufacture.	BP	**11.00** **25 @ 9.50**
7092	**SOC4-7092**	Fits 7092 and TB5-2500 Chinese manufacture. New, good quality.	BP	**75.00**
UV4	**SOC4-110A**	UV4 socket, not UX4. Asian manufacture. This is the perfect correct fitting for 3A-110A, 4020A & some WE types.	BP	**25.00** **10 @ 20.00** **50 @ 16.00**
UX4	**SOC4XU**	Ceramic, vintage USA manufacture UX4 socket. Suits 2A3 300B etc	BP	**5.00** **10 @ 4.00**
UX4	**SOC43CGC**	Ceramic, non-skirted, gold plated, for 2A3, 300B, 811A, SV811-3 and SV811-10 etc. Chinese manufacture.	BP	**3.30** **100 @ 2.30**
UX4	**SOC43NS**	Ceramic, non-skirted, for 2A3, 300B, 811A, SV811-3 and SV811-10 etc. Chinese manufacture. Big discounts available on orders of 500 pieces or more.	BP	**1.30** **10 @ 1.20** **100 @ 0.90** **500 @ POA**
UX4	**SOC43S2**	Ceramic, non-skirted, for 2A3, 300B, 811A, SV811-3 and SV811-10 etc. Chinese manufacture. New design, the appearance is more similar to vintage UK / USA made, ceramic insulator, silver colour metal flange.		**2.75** **100 @ 1.40**
UX4	**SOC43SC**	Amphenol USA made. Skirted, 4 pin attractive white ceramic. Large skirted 300B socket. NOS, Unused, slightly store soiled. Looks like it will be suitable for high-power 300B or other high power application.	BP	**6.20** **30 @ 4.50**
UX4	**SOC43SG**	Ceramic, non-skirted, for 2A3, 300B, 811A, SV811-3 and SV811-10 etc. Chinese manufacture. New design, the appearance is more similar to vintage UK / USA made, ceramic insulator, gold colour metal flange.		**3.50** **100 @ 2.00**
UX4	**SOC43USAB**	Chassis mount, very high quality USA made. NOS. Black plastic or black amphenol construction. Resists high temperature and high voltage, suitable for 300B & other high power tubes including 2A3.	BP	**5.00** **16 @ 4.00**
UX4	**SOC44LOK**	Skirted, attractive white glazed ceramic. Large locking type 300B socket.	BP	**3.20** **50 @ 2.00**
5 PIN SOCKETS				
4-1000A	**SOC5 – 4**	New 5 pin socket for **4-**1000A, 3-1000Z and 5868. 10 or more in stock. Ceramic and shiny metal.	GVT	**49.00**
B5	**SOC4B4 /B5A**	Chassis mount black high temperature material with grey metal contacts. Suitable for ML4.	BP	**POA**
B5	**SOC4B4 /B5B**	Chassis mount, black material bronze pins. Handmade in the UK exclusively for Billington's. Fits PX4, PX25, ML6, 3A-110B, etc.	BP	**5.00**
B5	**SOC4B4 /B5C**	Chassis mount, Chinese white ceramic. This B5 socket can also work as a B4 socket without any changes. Fits ML6, PX4, PX25, 3A-110B.	BP	**2.50** **10 @ 1.30** **100 @ 1.20**
B5	**SOC4B4-B5VBL**	Chassis mount BLACK high temperature material with silver colour metal contacts. UK made exclusively for Billington. We no longer make sockets - order whilst still available! Fits PX4, PX25, ML6, 3A-110B, etc.	BP	**5.00** **20 @ 4.80**
B5	**SOC4B4-B5VBR**	Chassis mount BROWN high temperature material with silver colour metal contacts. UK made exclusively for Billington. We no longer make sockets - order whilst still available! Fits PX4, PX25, ML6, 3A-110B, etc.	BP	**5.00** **20 @ 4.80**

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B5F	**SOC5FB**	Ceramic UK NOS socket for TY4-400, 3-500Z, 4-400A, etc. UK manufacture.	BP	**17.00** **10 @ 12.00** **50 @ 10.00**
B5F	**SOC5FB USED**	Ceramic UK made socket for TY4-400. Clean ex-equipment with guarantee.	BP	**12.00** **10 @ 10.00** **50 @ 7.00**
NUVISTOR	**SOC54NC**	Chassis mount USA manufacture. Fits 6CW4, 7586 etc. These are unused, but store soiled from 30 years storage. Mixed USA brands. Very rare!	BP	**10.00** **110 @ 9.00**
NUVISTOR	**SOC54NC USED**	Chassis mount USA manufacture. Fits 6CW4, 7586 etc. These are used, but fair appearance. Mixed USA brands. Very rare!	BP	**7.00** **10 @ 6.00**
PO5	**SOC5PO**	Chinese made. Suits Aa, Ba, Ca, Da. We no longer make Bronze pin sockets in UK, regret. These are Chinese ceramic construction.	BP	**4.00** **10 @ 3.50** **50 @ 3.00**
UX5	**SOC51UX**	Chassis mount, black amphenol. UK manufacture. Store soiled. Fits 807, 24, 27.	BP	**1.00**
UX5	**SOC52NSC**	Chassis high temperature, glazed ceramic material. Chinese. For 807 etc.	BP	**2.20** **10 @ 1.80** **100 @ 1.40** **300 @ 1.30**
	SOC86111	Wire ended universal. Fits all wire ended. Ceramic moulded PCB. Fits wire ended flying lead tubes. NOS West European made. This is a 9 pin socket, but would also suit. 8 pin, 7 pin, 5 pin or other wire ended sockets. Wire ended types in our stock include CV4033, CV4034, CV4051, CV4052, CV4056, DF61, 5977, 5744, 6112, EF72, EF73, CV2000, CV4002, 5644, VX8167. Please note these sockets are "push to fit". They are not spring-loaded. Refer to photograph on our website.	BP	**2.50** **100 @ 0.60** **400 @ 0.50**
6 PIN SOCKETS				
UX6	**SOC61**	Chassis mount. USA black Amphenol. Mixed brands. New, but store soiled. Suits 310A & other USA valves.	BP	**5.00** **20 @ 4.00**
UX6	**SOC66CN**	Chassis mount. Chinese, white ceramic. Use for 310A and other USA valves.	BP	**3.00** **200 @ 1.50**
7 PIN SOCKETS				
813	**SOC72CH**	Ceramic, large, heavy. Chinese.	BP	**3.50** **50 @ 2.75**
B7	**SOC7PT4**	Refer to B7 Chinese. SOC 7PT4C.	BP	
B7	**SOC7PT4C**	Chassis mount, Chinese made, ceramic socket. Fits 11E3, KT41, KT44, FC4, PT4, 3A-172B, MHD4, SP2, SP4.	BP	**3.33** **4 @ 3.00** **200 @ 1.20**
B7A/ SEPTAL	**SOC71CX**	Chassis mount, Chinese manufacture. For use with QQV03-20A, QQV06-40, 6C33CB, 13E1, etc. Glazed white ceramic, pleasant appearance	BP	**3.50** **30 @ 3.00** **300 @ 2.50**
B7A/ SEPTAL	**SOC71-EU**	Chassis mount, believed to be West European manufacture. Fantastic quality. Heavy duty white ceramic. Fits 6C33CB, 13E1, 829A, 832A. 2 large pin holes.	BP	**5.00** **6 @ 4.50**
B7A/ SEPTAL	**SOC71WC**	Chassis mount, believed to be UK manufacture. Fantastic military quality. Brass colour flange, white, very high temperature material believed to be PTFE. Fits 6C33CB, 13E1, 829A, 832A, RS1009/19, 3E29 etc.	GVT	**6.00** **Enquire re bulk prices**
B7A/ SEPTAL	**SOC71-WE**	Chassis mount, believed to be West European or USA manufacture. Fantastic quality. White ceramic. Fits 6C33CB, 13E1, 829A, 832A. 2 large pin holes.	BP	**10.00**
B7G	**SOC7**	Chassis mount, socket for PTT100 / Bi, in stock.	BP	**POA**
B7G	**SOC7BG92**	Chassis, PTFE white high temperature material. Skirted. UK or USA made for UK military.	BP	**1.50** **100 @ 1.00**
B7G	**SOC7BG93**	Chassis mount, West Europe/ USA manufacture.	BP	**0.80**

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	SOC7BG94	Identical, clean and guaranteed. Either brown [7BG93] or black [7BG94]. A high quality military item with Skirt for fitting the screening can.		**200 @ 0.40** **3,000 @ 0.25**
B7G	**SOC7CPC**	Chinese, ceramic. Fits 85A2 6C4 6AB4.	**BP**	**0.40** **100 @ 0.27** **1,000 @ 0.22**
B7G	**SOC7C**	Chassis mount Chinese. Ceramic	BP	**0.80** **500 @ 0.45**
B7G	**SOC7CPCan**	Chassis mount, ceramic, with 55mm screening can. The can / shield fits 6AU6 6Z4 6X4.	BP	**1.20** **10 @ 1.00** **400 @ 0.75** **1,000 @ 0.65**
B7G	**SOC7CPCUK**	PCB, NOS black material. Believed to be UK made. Un-skirted.	BP	**1.00** **500 @ 0.70**
B7G	**SOC75B**	Chassis mount, black, McMurdo UK manufacture. Larger diameter.	BP	**0.83** **200 @ 0.45**
B7G	**SOC75C**	Chassis mount, brown, McMurdo UK manufacture. Top mount.	BP	**0.80** **100 @ 0.40**
B7G	**SOC75CA-TM**	Chassis mount, Ediswan UK made, top mount style.	BP	**0.80** **100 @ 0.40** **3,000 @ 0.25**
B7G	**SOC75CA-TM**	Chassis mount, West Europe UK made, top mount style.	BP	**0.80** **100 @ 0.40** **800 @ 0.25**
B7G	**SOC75Cr**	Chassis mount, West Europe UK made, shock mount style.	BP	**0.08** **100 @ 0.40** **800 @ 0.25**
B7GCAN	**Can.shield. B7gmix**	B7G screening can, tube shield, Some fit 6AM5 6AM6 EF91 EF92 EF95. Some fit OA2 OB2 or other size. Used but clean and guaranteed. UK or USA manufacture. Some are Silver coloured metal, some black coated metal. Spring inside. At this price no "picking and choosing", sorry. Sold as they come. Minimum order 20 pieces for this item.	BP	**20 @ 0.70** **100 @ 0.50**
B7G CAN	**CAN SHIELD B7GS**	B7G screening can, tube shield, fits 6AM5 6AM6 EF91 EF92 EF95. Used but clean and guaranteed. UK or USA manufacture. Silver coloured metal. Spring inside.	BP	**1.80** **50 @ 1.20**
B7G CAN	**CAN SHIELD B7GB**	B7G screening can, tube shield, FITS 6AM5 6AM6 EF91 EF92 EF95. Used but clean and guaranteed. UK or USA manufacture. Black coated metal. Bronze Spring inside.	BP	**1.80** **50 @ 1.20**
B7G CAN	**CAN SHIELD B7GV**	B7G screening can, tube shield, NOS. Military spec. (Suit 6C4 85A2 2D21 6AS6 size). Suits skirted based. UK or USA made, black coated, fantastic quality, 50mm tall, copper spring in the top of the can. Attractive appearance, you can still see your valves lit up through the vents of this screening can.	BP	**1.50** **10 @ 1.00** **50 @ 0.90**
B7G	**SOC77WC**	Chassis mount, wafer style, brown, Philips, USA NOS.	BP	**0.31** **100 @ 0.24** **900 @ 0.20**
B7 UK	**SOC7PT4**	Chassis mount. A few are UK antique manufacture, most are Chinese ceramic. This fits 11E3, KT44, FC4, PT4 etc. Alias SOC7PT4C.	BP	**5.00** **20 @ 4.35** **300 @ 4.00**
SM7	**SOC75S**	Chassis mount McMurdo USA.	BP	**0.70**
SPECIAL	**SOC7E2D**	Chinese ceramic socket. Super quality fits E2C, E2D, Z2B, C3B, C3D, EC, ED, E2B etc. New, guaranteed.	BP	**3.50** **70 @ 2.80**
UX7	**SOC7XC**	Chassis mount, ceramic. Chinese. Used for CV18, DET19, 2C34.	BP	**2.40** **80 @ 1.00**
8 PIN SOCKETS - other				
Octal base	**SOC8-EL34-BASE**	Black Bakelite base for an EL34 tube. Please refer to ebay photo. This is a tube base, not a socket.	BP	**5.00** **20 @ 3.00**

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				100 @ POA
Sub miniature	**SOC8SUB**	PCB socket for sub-miniature valves, fits eg 6111/6112.	BP	**0.62**
833A	**SOC833**	Chinese. Ceramic ring with 2 metal clips. Nice quality current production item.	BP	**15.00**
B8A	**SOC89SK**	Black plastic. New but store soiled appearance. Believed USA made.	BP	**2.75** **50 @ 2.50**
B8A	**SOC89SKC**	Rimlock Socket. Fits EL41, UAF42, UCH42, EF40 and ECC40. New Chinese made. Ceramic.	BP	**5.00** **10 @ 3.00** **100 @ 1.60**
B8A	**SOC89SKS**	Fits valves such as EF40 and ECC40. NOS. West European made. White ceramic.	BP	**6.00** **No bulk offer**
B8A	**SOC89SKS**	Fits EF40, ECC40 etc. New Chinese ceramic.	BP	**2.60** **100 @ POA**
CT8	**SOC8SC**	Improved spring contacts in phosphor bronze. Handmade in the UK for Billington.	BP	**POA**
CT8	**SOC8SCH**	Side contact socket for AZ1, AD1, AL4, EL6, EL8, EF9 and all other side contact valves. Chinese made.	BP	**3.00** **20 @ 2.50** **250 @ 1.75**
LOCTAL		B8G/ B8D - fits 3A-167M, 5B-254, 5B-255M, 7S7, 7N7, 7C7, EL22, EF22, ECH21, 14N7, 14F7 etc.		
LOCTAL	**SOC88NCS**	Refer to 89LC	BP	
LOCTAL	**89L**	Chassis mount B8G/B8D socket. UK MADE NOS PFTE. Fits 3A-167M, 5B-255M, 7S7, EF22, ECH21. Brass colour flange. High quality military item. Silver plated pins. New but store soiled.	BP	**3.10** **20 @ 2.70**
LOCTAL	**89SIE**	Chassis mount B8G/B8D socket. NOS. Believed to be German made by Siemens. Black phenolic. Beautiful quality, excellent contacts, mounting hole diameter 27 mm. Hole centre distance from screw holes 35 mm. Diameter of screw holes 3.8 mm. Fits C3M, 3A-167M, 5B-254/5M, 7S7, EF22, ECH21.	BP	**2.60** **10 @ 2.50**
LOCTAL	**SOC89**	Chassis mount B8G/B8D. Fits 5B-254/5. West European NOS.	BP	**4.50**
LOCTAL	**SOC89**	As above, but some may be store soiled.	GVT	**POA**
LOCTAL	**SOC89LC**	Chassis mount B8G/B8B. Chinese made. Nice quality and great appearance. White ceramic insulator. Shiny silver colour metal flange. Fits 3A-167M, 5B-254, 5B-255, 7S7, 7N7, EL22, EF22, ECH21, 14N7, 14F7 and C3M.	BP	**1.50** **20 @ 1.30** **300 @ 0.80**
LOCTAL	**SOC89LW**	Chassis mount, Philimore UK made, wafer construction. B8G/B8B socket. Fits 3A-167M, 5B-254, 5B-255, 7S7, 7N7, EL22, EF22, ECH21, 14N7, 14F7 and C3M.	BP	**0.90** **30 @ 0.65** **3,000 @ 0.42**
Mazda OCTAL	**SOC89MC**	Mazda Octal Socket. Alias MO8. Fits SP41 SP42 SP62 VP41 PEN25 CV1331 chassis mount Chinese made. Nice quality. Do not confuse this with normal octal socket, it has different pin size etc.	**BP**	**1.50** **20 @ 1.30** **300 @ 1.05**
Mazda OCTAL	**89MAB**	Mazda octal socket. NOS. Not same as normal. Octal. Fits pen45 SP61. Black insulator. Believed UK made.	BP	**4.50** **10 @ 4.00** **100 @ 3.50**
PLUG	**SOC8-Plug**	Cinch octal plug. Plug and 7 pins riveted to a Bakelite disc that has 4 perimeter scallops. Height 25mm including pins & central blade. Diameter 32mm, tabs 4 x 3mm. Pin 2 is missing. When available.	BP	**POA**
SPECIAL	**SOC8SK660**	Chassis mount, Eimac USA made socket. Eimac name is SK660. White ceramic. Believed to be for 8560A **and** 4CX350A tube. Vintage NOS. 2 pieces. Offers considered.	WB	**2 @ 50.00**
	SOC86111	**Wire ended universal. Fits all wire ended.** Ceramic moulded PCB. Fits wire ended flying lead tubes.	BP	**2.50** **100 @ 0.60**

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		NOS West European made. This is a 9 pin socket, but would also suit. 8 pin, 7 pin, 5 pin or other wire ended sockets. Wire ended types in our stock include Cv4033, CV4034, CV4051, CV4052, CV4056, DF61, 5977, 5744, 6112, EF72, EF73, CV2000, CV4002, 5644, VX8167. Please note these sockets are "push to fit". They are not spring-loaded. Refer to photograph on our website.		400 @ 0.50
8 PIN SOCKETS OCTAL Chassis				
OCTAL		For 6L6GC, 6550, EL34, GZ32, KT33C, KT66, KT88, etc.		
OCTAL	82BC	Chassis mount. Brown Bakelite. Ediswan UK. NOS.	BP	6.00
OCTAL	SOC8AUSA	Under Chassis mounting, USA made. NOS. Black Amphenol. 8 pin plastic bottom mount 1 inch chassis hole. 1 3/8 inch mounting centres.	BP	2.50 200 @ 2.00
OCTAL	SOC8BLC	Chassis mount, black insulator. NOS USA manufacture. These are in “kit form” black socket, silver coloured flange and a mounting ring. They take less than 2 minutes to assemble each socket.	BP	2.00 30 @ 1.25 200 @ 0.80
OCTAL	SOC8CCC	Chassis mount, modern Chinese. White ceramic, oval lozenge shape ceramic body. 45mm between fixing holes.	BP	0.70 300 @ 0.60 400 @ 0.52
OCTAL	SOC8JBLK	Octal socket, chassis mounting, new. Made in Japan this year to the highest standards. Black sockets are 95 percent ceramic of alumina. Thermal conductivity is much higher than typical steatite ceramic, which keeps the sockets and tubes cooler, thus enhancing audio quality. ROHS compliant.	BP	3.25 10 @ 2.30 100 @ 1.70 600 @ 1.60
OCTAL	SOC8M	Octal socket. Black shrouded material. UK or USA. NOS.	BP	4.00
OCTAL	SOC8UKC	Octal SOC8UKC Chassis mount, antique English made. NOS. White ceramic, oval metal flange. 45mm between fixing holes.	BP	10.00 8 @ 8.00
OCTAL	SOC8UKC	Chassis mount, antique UK English made. Used, clean, guarantee. White ceramic, oval metal flange. 45mm between fixing holes.	BP	5.00 16 @ 4.00
OCTAL	SOC8USAC	Chassis mount, antique USA made. Used, clean, guarantee. White ceramic, oval metal flange. 45mm between fixing holes.	BP	3.00 16 @ 2.50
OCTAL	SOC8WA	Chassis mount, USA NOS, wafer construction. 300 pieces may exist ask for bulk prices	BP	0.70
OCTAL	SOC84	Chassis mount, Chinese, white ceramic, gold pin and mounting bracket. Fits 6L6, 6V6, EL34, 6550, KT88, etc, with slit-fork style gold plated brass contacts for good tight contact with tube pins. These fit in holes as small as 1 inch, mount from underneath the chassis, and have slots in mounting bracket for mounting holes approx 1 3/8 inch (35 mm) apart.	BP	1.40 100 @ 0.93 500 @ 0.80
OCTAL	SOC88CC	Chassis mount, Chinese. White ceramic, bracket fixing. We have a larger stock of SOC88NB near equivalent.	BP	0.70
OCTAL	SOC88N	Chassis mount, white ceramic, bracket fixing, split terminal. Chinese	BP	1.30 100 @ 0.83
OCTAL	SOC88NB	Chassis mount, white ceramic, bracket fixing. Chinese.	BP	1.30 100 @ 0.83
OCTAL	SOC88NC	Chassis mount Chinese. Ceramic octal.	BP	1.30 100 @ 0.83
	SOC86111	Wire ended universal. Fits all wire ended. Ceramic moulded PCB. Fits wire ended flying lead tubes. NOS West European made. This is a 9 pin socket, but would also suit. 8 pin, 7 pin, 5 pin or other wire ended sockets. Wire ended types in our stock include Cv4033, CV4034, CV4051, CV4052, CV4056, DF61, 5977, 5744, 6112, EF72, EF73, CV2000, CV4002, 5644, VX8167. Please note these	BP	2.50

		sockets are "push to fit". They are not spring-loaded. Refer to photograph on our website.		
8 PIN SOCKETS OCTAL PCB				
OCTAL	**SOC81N**	PCB, nylon and Delrin manufacture, very low microphony and vibration, handmade in the UK.	BP	**1.80** **20 @ 1.00**
OCTAL	**SOC81PC**	PCB mount Chinese. White ceramic. This seems better for 6F6, 6SN7, 6SL7 & 6V6. 88NBPC below seems better for KT88 size.	BP	**1.00** **200 @ 0.80**
OCTAL	**SOC 88NBPC**	PCB Chinese manufacture, white ceramic. See also socket 81PC above for a very similar item & cheaper. 88NBPC seems to be better for KT88 size	BP	**0.50** **100 @ 0.42**
9 PIN SOCKETS - B9A Chassis				
B9A SOCKETS		For E88CC, ECC82, ECC83, EL84, EF86, etc. Suitable for pre-amps.		
B9A	**SOC9BS**	Chassis mount, skirted, black plastic insulator. East European or Chinese.	BP	**0.70**
B9A	**SOC9BSC**	Chassis mount, Chinese. Black ceramic insulating materials with short screening can [ECC82 size]. Sold as one unit.	BP	**1.20**
B9A	**SOC9CSC**	Chassis mount, Chinese. White ceramic insulating material with short screening can (ECC82 size). Sold as one unit.	**BP**	**1.20** **50 @ 1.00** **400 @ 0.80** **1,000 @ 0.48**
B9A	**SOC9DPC**	PCB mount, ceramic. Made in UK (or USA?). New but store soiled.	**BP**	**1.30** **30 @ 1.00**
B9A	**SOC9JBLK**	Chassis mounting, gold pins. New. Made in Japan this year, to the highest standard. Black sockets are 95 percent ceramic of alumina. Sockets are 95* ceramic of alumina. Thermal conductivity is much higher than typical steatite ceramic, which keeps the sockets and tubes cooler, thus enhancing audio quality. ROHS compliant. New method of direct gold plating. Gold plating goes directly onto the phosphor bronze without using nickel ground which lowers magnetic distortion & achieves ideal quality for audio.	BP	**8.00** **10 @ 7.00** **50 @ 5.50**
B9A	**SOC9JW**	Chassis mounting, gold pins. New. Made in Japan this year to the highest standard. White ceramic sockets are 95 percent ceramic of alumina. Sockets are 95 percent ceramic of alumina. Thermal conductivity is much higher than typical steatite ceramic / socket controls temperature increase & contributes to longer life. New method of direct gold plating. Gold plating goes directly onto the phosphor bronze without using nickel ground which lowers magnetic distortion & achieves ideal quality for audio. RoHS complaint.	BP	**8.00** **10 @ 7.00** **50 @ 5.50**
B9A	**SOC9LAM**	Chassis mount, wafer style Ediswan UK. Few only. We have hundreds of SOC9AW, SOC9WA similar items.	BP	**0.40**
B9A	**SOC9UBLK**	Chassis mount, USA made, NOS. Black Phenolic. Bottom mount saddle style. Clean & attractive. Standard size 7/8" mounting.	BP	**3.20** **10 @ 2.75** **100 @ 2.25**
B9A	**SOC9WA**	OR SOC9WA very similar item. Chassis mount, wafer style, brown. NOS. Believed USA.	BP	**0.40** **400 @ POA**
B9A	**SOC93**	Chassis mount, Western European NOS. Brown Phenolic. Top mount saddle style. NOS, attractive. Heavy duty tinned phosphor bronze pins with excellent contact tension. Centre post may be grounded for maximum shielding between pins. Fit standard US/UK size 3/4 inch (19 mm) mounting hole.	BP	**4.00** **10 @ 3.50** **80 @ 3.00**
B9A	**SOC93WE**	Chassis mount, Western European NOS. White ceramic. Centre post may be grounded for maximum shielding between pins. Fit standard US/UK size 3/4 inch (19 mm) mounting hole. Photo on request. New but store soiled	BP	**1.50** **20 @ 1.00** **100 @ 0.80**

		appearance, hence half price.		
B9A	**SOC93UKBLK**	Chassis mount, McMurdo UK NOS. Black Phenolic. Bottom mount saddle style. Standard size 7/8" mounting. Click "buy on-line" then "sockets 9 pin B9A Chassis".	BP	**3.20** **10 @ 2.75** **30 @ 2.25** **100 @ 1.75**
B9A	**SOC93CIN**	Chassis mount, Cinch USA NOS. White ceramic. Centre post may be grounded for maximum shielding between pins. Fit standard US/UK size 3/4 inch (19 mm) mounting hole.	BP	**3.00** **20 @ 1.80**
B9A	**SOC97GC**	Chassis, white ceramic insulator, unskirted, gold plate bracket & gold pins. Chinese.	BP	**3.00** **10 @ 1.80** **100 @ 1.50**
B9A	**SOC97N**	Chassis mount Chinese, grey metal, ceramic insulator.	**BP**	**1.20** **25 @ 0.95** **100 @ 0.50** **500 @ 0.45**
B9A	**SOC97NR**	Chassis mount, Chinese. White ceramic insulating material with short screening can (ECC82 size). Sold as one unit.	BP	**1.20** **25 @ 0.95** **100 @ 0.70** **1,000 @ 0.65**
B9A	**SOC97NSC**	Chassis mount Chinese. White ceramic insulating material with short screening can (ECC83 size). Sold as one unit. Slightly different fittings compared to 9CSC.	BP	**1.20** **25 @ 0.60** **100 @ 0.48** **1,000 @ 0.45**
9 PIN SOCKETS - B9A PCB				
B98A	**SOC9AJP**	B9A PCB mounting, silver plated socket. New, made in Japan this year to the highest standards. These white ceramic sockets are 95 percent ceramic of alumina. Thermal conductivity is much higher than typical steatite ceramic, which keeps the sockets and tubes cooler, thus enhancing audio quality. ROHS compliant.	BP	**6.00** **10 @ 5.00** **50 @ 4.00**
B9A	**SOC9AJPGO**	Mounting, gold plated socket. New, made in Japan this year to the highest standards. These white ceramic sockets are 95 percent ceramic of alumina. Thermal conductivity is much higher than typical steatite ceramic, which keeps the sockets and tubes cooler, thus enhancing audio quality. ROHS compliant. Gold plating goes directly onto the phosphor bronze without using nickel ground which lowers magnetic distortion and achieves ideal quality for audio RoHS compliant.	BP	**9.00** **10 @ 8.00** **50 @ 7.00**
B9A	**SOC9BSP**	PCB mount, skirted, black plastic insulator. With screening can & skirt.	BP	**0.70**
B9A	**SOC9BSPC**	PCB mount, skirted, black plastic insulator. Made with skirt so that screening can be added.	BP	**0.70** **500 @ 0.56**
B9A	**SOC9CPC**	PCB mount, ceramic. West European/USA made. New but store soiled.	BP	**0.40**
B9A	**SOC90BU**	PCB mount, black material, believed made in the USA. Currently out of stock, so please enquire.		**POA**
B9A	**SOC91GB**	PCB mount, UK made. Black insulator, gold pins. When available POA.	BP	**POA**
B9A	**SOC92G**	PCB mount socket for ECC83. Gold pins & white material.	BP	**1.70** **100 @ 1.30**
B9A	**SOC94C**	PCB mount socket for ECC83. Grey pins & white ceramic material. 94C is almost the same as 94N.	BP	**0.70** **200 @ 0.60**
B9A	**SOC94CG**	PCB mount socket for ECC83. Gold pins & white ceramic material. 94CGC is same as 94N but 94CGC has gold pins.	**BP**	**1.70** **100 @ 1.20** **500 @ 1.00**
B9A	**SOC94N**	PCB nickel pins, white plastic. Offer considered for order over 500 pieces.	**BP**	**0.70** **100 @ 0.35** **1,000 @ 0.32**

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B9A	**SOC912G**	PCB mount socket for ECC83. Gold pins, white ceramic material.	**BP**	**1.70** **100 @ 1.30** **300 @ 1.15**
B9A	**SOC 912N**	PCB mount, ceramic.	BP	**0.73** **100 @ 0.50** **300 @ 0.45**
B9A	**SOC916PCG**	PCB socket. Gold pins, white ceramic. Use alternatives, like SOC92G, SOC94CGC, SOC912G (not identical shape) material.	BP	**1.40**
B9A	**SOC916PCN**	PCB ceramic.	BP	**1.00** **1,000 @ 0.85**
9 PIN SOCKETS - other				
B9A	**Protect. B9A**	B9A pin protector. Black plastic protector to keep pins on EL84, ECC83, 12AT7, etc. safe.	BP	**1.00** **200 @ 0.70** **1,000 @ 0.55**
B9A		20 New Old Stock British Mullard, Tube Pin Straighteners. New old stock, original 1960's Mullard, British made. A must have for any valve or tube collector. They are the correct device for straightening bent pins on any B9a base valve. Also useful for displaying the valves in your collection.	BP	**0.40** **20 @ 0.55** **300 @ 0.45**
B9A	**CANEL84**	Screening can for EL84.	BP	**300 @ POA**
B9A	**SOC93CIBR**	Chassis mount, Cinch USA NOS. Brown phenolic. Original early manufacture, not modern copy. Phenolic. Bottom mount saddle style. Fits standard US/UK size 3/4 inch (19mm) mounting hole. Photo on request. New but store soiled appearance, hence half price.	BP	**1.50** **20 @ 1.00** **100 @ 0.80**
B9A CAN	**CAN SHIELD B9A MIX**	B9A screening can, tube shield. Most fit ECC83, 12AT7. Some fit EL84 or other sizes. Used but clean & guaranteed. UK or USA manufacture. Some silver coated, some black coated metal. Spring inside. At this price no "picking & choosing". Sold as they come. Minimum order 20 pieces, for this item.	BP	**20 @ 0.70** **100 @ 0.50**
B9A CAN	**CAN SHIELD B9AB**	B9A screening can, tube shield, fits ECC83, 12AT7. Used but clean & guaranteed. UK or USA manufacture. Black coated metal. Bronze spring inside. Printed with NATO number.	BP	**1.80** **50 @ 1.20**
B9A CAN	**CAN SHIELD B9AS**	B9A screening can, tube shield, fits ECC83, 12AT7. Used but clean & guaranteed. UK or USA manufacture. Silver coloured metal. Spring inside.	BP	**1.80** **50 @ 1.20** **500 @ 1.00**
B9D	**SOC913CR**	Chassis mount. White ceramic, metal clip. Fits PL519, 7868, etc.	BP	**0.80** **300 @ 0.50**
B9D MAGNOVAL	**SOC95D**	PCB mount, ceramic. Yugoslavian.	BP	**1.44**
B9D MAGNOVAL	**SOC915PC**	PCB mount, magnoval for PL519. White shiny glazed high temperature material.	BP	**1.40** **200 @ 1.00**
B9D MAGNOVAL	**SOC915PCG**	PCB mount magnoval socket for PL519 & 7868. Chinese, white shiny glazed high temperature material. Gold pins.	BP	**2.00** **50 @ 1.30** **300 @ 1.25**
B9G	**SOC9EF5-UK**	Chassis mount, white ceramic material, UK made. Fits KT67, EF50.	BP	**7.50** **10 @ 5.00**
B9G	**SOC9EF50**	Chassis mount, white ceramic material, Chinese manufacture. For use with KT67, EF50.	BP	**3.10** **200 @ 2.00**
E2E	**SOC9E2E**	**P**hosphor bronze contacts. Handmade in UK exclusively for Billington. Maybe 1 or 2 pieces. **We no longer make this socket.**	BP	**15.00**
E2E	**SOC9E2EC**	Chinese new item. Fits F2A & E2E.	BP	**5.00** **5 @ 4.00** **50 @ 3.50**

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	SOC86111	Wire ended universal. Fits all wire ended. Ceramic moulded PCB. Fits wire ended flying lead tubes. NOS West European made. This is a 9 pin socket, but would also suit. 8 pin, 7 pin, 5 pin or other wire ended sockets. Wire ended types in our stock include CV4033, CV4034, CV4051, CV4052, CV4056, DF61, 5977, 5744, 6112, EF72, EF73, CV2000, CV4002, 5644, VX8167. Please note these sockets are "push to fit". They are not spring-loaded. Refer to photograph on our website.	BP	**2.50** **100 @ 0.60** **400 @ 0.50**
10 PIN SOCKETS				
EL152	**SOC 10EL152**	New ceramic socket for EL152, EL153, FK152, FL153.	BP	**8.50** **10 @ 7.30** **40 @ 6.50**
EL156	**SOC10YC**	Made in China.	BP	**3.20** **200 @ 2.40**
11 PIN SOCKETS				
11 PIN	**SOC11BRC**	Chassis mount, McMurdo UK manufacture. Brown plastic insulator, grey metal flange.	BP	**1.00**
11 PIN	**SOC11BLKC**	Chassis mount, NOS, believed to be UK or USA made. Black material might be amphenol. Silver coloured flange.	BP	**1.00** **200 @ 0.80**
12 PIN SOCKETS				
12 PIN	**SOC12CL**	Chassis mount. Black Amphenol. Free floating mount For DG7-32. Comes with a kit of pins. Good quality UK/USA. NOS. In sealed original bag. Refer to photo on our website before ordering.	Orig Bag	**3.20** **100 @ 2.00**
12 PIN	**SOC12CL1X**	Chassis mount. For DG7-32. Good quality UK/USA made.	BP	**3.20** **20 @ 2.50**
COMPACTRON	**SOC12A**	Compactron, Chassis mount, skirted, PTFE material, Ediswan UK (Duodecar) 12 pin tube socket. Fits 6C10 6LF6 6KD6 etc.	RED OB	**1.50** **80 @ 1.00**
COMPACTRON	**SOC12ARP**	Compactron, PCB mount, white plastic. Fits 6LF6, 6KD6.	BP	**1.00**
COMPACTRON	**SOC12BPCB**	Compactron, PCB mount, Fits 6KD6, 6D10.	BP	**1.50** **80 @ 1.00**
COMPACTRON	**SOC12BCH**	Compactron socket, chassis mount, brown insulator material. Fits 6LF6 6KD6, 6D10.	BP	**2.00** **80 @ 1.60**
12 PIN 3RP1	**SOC12BS**	Sold out.	BP	**POA**
12 PIN 3RP1	**SOC12BXYZ**	B12G socket for 3RP1, DG7-32 2BP1 etc. Chassis mount, mixed constructions, unused but store soiled appearance, believed UK or USA made.	BP	**2.00** **10 @ 1.40**
12 PIN TT100	**SOC 12B**	GBP7.50 wholesale price, if any available.	BP	**POA**
17 PIN SOCKETS				
17 PIN	**SOCB17A**	Chassis mount. B17A socket, very rare 17 pin socket for nixie tubes. Other suppliers call this B17, 35709, HFD 13045, VH26. Pin diameter 1.02mm, pin circle 18.2mm, pin spacing 20 degrees.	WB	**7.20** **10 @ 6.50**

TOP CAPS				
807	**TOP807**	Ceramic, Chinese manufacture, recent production. Used for 2C34, 807, DA42, CV57, TT21, U19, etc, ie 9mm diameter.	BP	**2.00** **100 @ 1.50**
807	**TOP807**	Ediswan UK manufacture, white ceramic. When available.	BP	**POA**
811	**TOP805**	Old ref. TC805. Chinese, ceramic, current production, for 805, 811A, 813, and similar large items.	BP	**1.00**
811	**TOP805**	For 805, 811A and 813 - when available	BP	**POA**
TOP CAP	**TOP CAP** **TOP12E1A**	Top cap/anode cap for 12E1, 5B254M, 6J7, EF37, PL519. 6mm diameter. Made by Bulgin, UK NOS. Attractive red colour. Photo on request.		**5.00** **25 @ 4.00**

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TOP CAP	**TOP12E1CC**	Chinese ceramic. Nice looking item. Fits 6J7, 12E1, 5B-254M, EF37A, EL504, EL519, PL504, PL519 and 6K8. New ceramic insulator. 6mm diameter.	BP	**1.50** **20 @ 1.00** **300 @ 0.80**
TOP CAP	**TOP12E1A Topcap/ anode cap**	Top cap/anode cap for 12E1, 5B254M, 6J7, EF37, PL519. Diameter & colour TBA. Made in UK/ USA by Billington or Bulgin. Photo on request.	BP	**5.00** **25 @ 4.00**
TOP CAP	**TOP12E1A Topcap/ anode cap**	Chinese ceramic. Nice looking item. Fits 6J7, 12E1, 5B-254M, EF37A, EL504, EL519, PL504, PL519 and 6K8. New ceramic insulator. 6mm diameter.	BP	**POA**
TOP CAP	**TOP12E1BR – Topcap/ anode cap**	Top cap/anode cap for 12E1, 5B254M, 6J7, EF37, PL519 6mm diameter. Bulgin, made in USA/ UK. Suits solder or screw fixing solder. 6mm diameter metalwork. The cap itself is 40mm diameter. 20 pieces are red material 20 pieces are brown material and 20 are chrome coloured metal. We sell these all the time, please enquire for latest actual stock quantities.	BP	**3.00** **60 @ 2.30**

SPRING RETAINERS				
VALVE RET	**1**	Valve retainer or spring retainer for EL34, 6L6GC ETC. Made in USA or West Europe. All metal construction. Holds valve in upside down equipment. For EL34, 6L6GC etc.	BP	**4.00** **300 @ 2.75**
VALVE RET	**1B**	Valve/ tube spring retainer. Holds valve in upside down equipment. UK made. NOS. Valve retainer string and ceramic for small shoulder tube like GZ34, 6SN7GT, 6V6GT. The carton is printed "7". String and metal spring.	OB	**4.00** **4 @ 3.34** **120 @ 2.75**
VALVE RET	**3**	Holds valve in upside down equipment. Valve retainer string and ceramic for small shoulder tube like 6J5G. UK made. NOS. Photo on request. Make near offer.	GVT	**4.00** **120 @ 2.50**
VALVE RET	**3A**	Valve/ tube spring retainer. Holds valve in upside down equipment. UK made. NOS. Valve retainer string and ceramic for small shoulder tube like 6J7G. EF37 EF39. The carton is printed "159". There is a black top grommet.	BP	**4.00** **4 @ 3.34** **120 @ 2.75**
VALVE RET	**3B**	Valve/ tube spring retainer. Holds valve in upside down equipment. UK made. NOS. Valve retainer string and ceramic for small shoulder tube like 6J7G. The carton is printed "161". There is a black top grommet.	BP	**4.00** **4 @ 3.34** **120 @ 2.75**
VALVE RET	**6**	Holds EA50 valve UK or USA. Used, guaranteed.	GVT	**2.00** **30 @ 1.75**
VALVE RET	**7**	Holds valve in upside down equipment. Valve retainer string & ceramic for small shoulder tube like 6J5G. UK made NOS. Photo on request. Make near offer.	GVT	**2.00** **10 @ 1.75** **120 @ 1.50**
VALVE RET	**8**	Valve retainer or spring retainer for KT88, 3B28 etc. Made in USA or West Europe. Strong, ceramic and metal construction. Holds valve in upside down equipment. For KT88, 3B28 etc.	BP	**5.50** **200 @ 3.75**
VALVE RET	**8A**	Valve retainer or spring retainer for KT88, KT66, 6080 etc. Chassis mount only. Made in UK. String, ceramic and metal construction. Holds valve in upside down equipment. The carton is printed "quote 16/C.	OB	**5.50** **3 @ 4.40** **200 @ 3.50**
VALVE RET	**C1**	Chinese. Holds valve in upside down equipment. For GZ34. All same prices.	BP	**1.00** **100 @ 0.75**
VALVE RET	**C2**	Chinese. Holds valve in upside down equipment. For EL34, 6L6GT 4. All the same prices.	BP	**1.00** **200 @ 0.75**
VALVE RET	**C3**	Chinese. Holds valve in upside down equipment. Valve retainer for KT88 etc.	GVT	**2.00** **90 @ 1.75**
TUNERS				
QUAD FM2 TUNER		Mains powered stereo valve tuner. Repaired and aligned. Can be used with any Quad equipment [unlike FM1 which		**125.00**

This catalogue is only a guide. All items are NOS unless stated.
Prices are usually accurate, but please contact us to confirm final prices & quantities.
PLEASE ADD 50 PERCENT RETAIL SURCHARGE FOR ORDERS UNDER GBP240.

		need power from the amplifier].		

WE REGRET THAT THE OVER GBP 1,500 DISCOUNT APPLIES ONLY FOR ORDERS PAID FOR OR SHIPPED WITHIN 6 WEEKS OF THE ORDER STARTING.
WE ARE PREPARED TO BE FLEXIBLE ON THIS POINT BY ARRANGEMENT.

BILLINGTON EXPORT LTD

BILLINGTON GOLD ITEMS

Long known as specialists in rare tube brands, Billington Export provides a line of premium-grade valves to fill the increasing demand for hard-to-find tubes! BILLINGTON GOLD valves are selected from the best worldwide manufacturers with emphasis on the highest audio quality and product reliability. They are individually tested within very tight limits and inspected for superior physical conformity and mechanical construction. Guaranteed. They have a good reputation worldwide, especially amongst Asian audiophiles. Supplied in an attractive blue/red/gold original box

ADDITIONAL TESTING

Should you require specialised testing we are happy to provide this service, prices as below:

MATCHED SET TESTING

Available on request. We can test new valves into pairs, quartets, octets etc. This test involves all valves in the match being within 10 percent of one another on anode current and gm.

Matched pairs: GBP3.30 per anode TRADE, or GBP5.00 per anode RETAIL.
Matched quads, triplets, sextet, etc: GBP5.00 per anode TRADE, or GBP7.50 per anode RETAIL.

Matched pair testing is “subject to availability”. To make 1 match pair we need 10 or 20 tubes of the same brand & appearance. If we have, for example, 5 of one brand, the chance of a match pair from 5 pieces is very unlikely.

STOCKLIST

We do not have all of our stock listed in our catalogue, therefore please visit our website at www.billingtonexportltd.com and find the free download called **Stocklist** on the bottom left hand side.

The list is not 100% accurate as we hold so much stock, but it gives you a good idea. Quantities vary from a single piece to many thousands, depending on the type.

Please contact our sales office who will be very happy to supply details of quantities, brands and prices.

BILLINGTON EXPORT LTD

IMPORTANT – Valve / Tube Collection

If you wish to collect valves or tubes from us, please order them 2 / 3 days in advance, using this order form.

That will give us time to collect them from one of our warehouses and undertake necessary testing, boxes, etc.

We like to be friendly and helpful but we are a very busy export warehouse, not a "walk around" retail shop, thank you.

Name: _____

Date: _____

Address: _____

Qty	Valve Number	Brand / Manufacturer	Box Type			Condition		Office Use Only
			Orig Box	GVT Box	No Box	New	Used	

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