

Radio Valve Data: 1926–1946

**Supplement to British Radio Valves
The Classic Years**

Characteristics and connections for over 4000 valves

Keith R Thrower

Published by Speedwell

ISBN 978-0-9537166-4-7

Contents

Abbreviation & Symbols	3	Fama	37	Radio Micro	85
Explanation of the Tables	4	Ferranti	38	Radion	85
Valve Data	5-156	Fotos	39	Radvaco	85
Amplion	5	Frelat	40	Ratvaco	85
Aneloy	5	Graham-Farish	41	Radio Record	86
ARA	6	Helikon	41	RAF	129
Army	123	Hivac	42	Scott Taggart	88
Beam	6	HMV	44	Six-Sixty	88
Benjamin	6	Lissen	45	Splendor	90
Beriton	6	Loewe-Audion	47	Stal	90
Brimar	7	Louden	48	Standard	91
Brittania	13	Lumos	48	STC	91
BSA-Standard	13	Lustrolux	49	Sutra	93
BTH	14	Marconi	50	Tela-Radio	93
Burndept	15	Mazda	59	Three Six Two	93
CAC	15	Métal	66	Triotron	96
Clarion	16	Micromesh	66	Tungsrarn	101
Cleartron	17	Midland	67	Univella	111
Cosmos	18	Monotone	67	US	112
Cossor	19	Mullard	68	Valco	111
Dario	28	Navy	126	Vatea	111
Dayros	32	Neutron	80	Vita	111
Double Two	32	North London Valve Co. (NLV)	80	Volttron	111
Dulivac	32	Octron	80	Rectifiers	141
Eagle	32	Osram	50	Tuning Indicators	153
Ediswan	32	Ostar-Ganz	81	Thyratrons	155
Ekco	34	Pix	82	Barretters	156
Elka	34	Peter Russell (P.R.)	83	Valve Bases & Connections	157
Ensign	34	Post Office	134	Base diagrams	158
ETA	34	Power Tone	84	Base connections	160
Eton	35	Quadruple Valve Co (QVC)	84	Alphanumeric List of Valve Types	172
Ever-Ready	35	Quicko	84		

Abbreviations & Symbols

ABBREVIATIONS USED IN VALVE TABLES

a.c.	Filament normally run from an a.c. supply
AF	Audio Frequency
bt	Beam tetrode
CD	Critical distance (tetrode)
CRO	Cathode-ray oscilloscope
d.c.	For d.c. mains operation with series connection
DC	Direct coupled (amplifier)
deg	Degrees of shadow angle
DH	Directly heated cathode
det	Detector
FC	Frequency changer
$f_{\max}$	Maximum frequency
FW	Full-wave (rectifier)
g_c	Conversion conductance of frequency changers (See also the symbol used to indicate this.)
g_m	Mutual conductance (slope)
GP	General-purpose (valve)
h	Hexode or heptode section of frequency changer used as a mixer
HW	Half-wave (rectifier)
IH	Indirectly heated cathode
I_o	Rectified output current
mix	Mixer section of frequency changer
μ , μ	Amplification factor
MV	Mercury-vapour rectifier
osc	Oscillator section of frequency changer
ot	Output triode
p	Pentode
PIV	Peak Inverse Voltage
P_o	Power output
PW	Post War
r	Rectifier
r_a	Anode dynamic resistance
RC(C)	Resistance-capacitance coupled

RF	Radio Frequency
R_K	Cathode resistor for auto bias
R_L	Optimum load resistance for specified output power
r.m.s.	Root mean square
st	Side terminal on valve base
t	triode
t/b	Timebase
tet	Tetrode
tt	Top terminal (i.e. screw terminal)
VD	Voltage doubler rectifier
VM	Variable- μ

HEADINGS USED IN VALVE TABLES

Type	Manufacturers' designation
Description	Principal uses of the valve
Filament	Filament or heater
Auxiliary grid	Screen grid for all multi-electrode valves, except for bi-grid valves, or space charge tetrodes when it's the inner grid
Grid	Control grid
Base	See section on Bases and Connections
Year	Approximate year when valve became generally available in the UK

SYMBOLS USED IN VALVE TABLES

*	Appended to filament voltage, indicates directly heated
•	Appended to filament current, indicates centre-tapped filament enabling it be operated at twice the voltage and half the current
—	Underline in R_L column is the anode-to-anode resistance, in V_a column is total anode current and in R_K column is common resistance feeding both valves
^	Indicates conversion conductance

Explanation of the Tables

Type

This is the type designation given by the supplier. It may be found that dots, strokes or dashes are also given but the supplier is not always consistent in their use.

Description

This gives the normal uses for the valve. However, it does not preclude other uses.

Filament

These two columns refer to the nominal voltage and current for the filament or heater. Usually the voltage should be maintained within $\pm 5\%$. It is bad practice to underrun the filament.

Anode

The anode voltage figure can be misleading. The figure given is usually the maximum recommended, although not necessarily the absolute maximum. For some early valves a range of voltages is given. For output valves the anode and other voltages given is that required for the specified output power.

Where two figures are given these refer to the quiescent current and maximum current

Auxiliary Grid

This is the screen grid for tetrodes, pentodes and frequency changers but the inner grid for bi-grid valves. The voltage given is usually that required for normal operation.

Grid

This is the control or signal grid for all types of valve. Where a voltage is given this is usually that required for operation at the stated anode and auxiliary grid voltages.

Two figures are given for many of the variable-mu valves. These two figures indicate the likely range of bias for a.g.c. purposes.

r_a

The resistance value given is a nominal figure only and can vary by 2:1 or more over the normal operational range of the valve.

g_m

This is a mutual conductance (slope) figure given by the manufacturer when measured under the most favourable conditions. In operation the slope is usually considerably lower than this.

g_c

This is the conversion conductance figure for a frequency changer valve.

R_L

This is the resistive load required for the specified output power and is optimized for a compromise between maximum power and minimum distortion. For push-pull valves the figure given is for anode-to-anode.

P_o

This is the power output for the specified anode load and the anode, screen and control grid voltages.

The power output is for a specified level of total harmonic distortion such as 10% (or 5% for push-pull operation).

R_k

This is the recommended value of the cathode bias resistor for all the other stated operating

conditions. Where a grid bias voltage is also given this should be ignored.

Base

See separate section which gives an outline drawing for the various base types to be found, together with accompanying tables of connections.

Year

This is an approximate year of its introduction in the UK (and may be much earlier in the country of origin for foreign valves). In a few cases an intelligent guess has been made, but for the vast majority of valves the year has been established from advertisements, data sheets and reviews in journals. Even so, there could be an error of up to a year in the date given.

Type	Description	Filament		Anode		Auxiliary grid		Grid	r_a	g_m / g_c	R_L	P_o	R_K	Base		Year
		Volts	Amps	Volts	mA	Volts	mA	-V	k Ω	mA/V	k Ω	Watts	Ω	Type	Ref.	
AMPLION																
AMG.2/25	General-purpose triode	2.0*	0.25	120		—	—	1.6-6	18.0	0.50				B4	A	1926
AMG.6/9	General-purpose triode	6.0*	0.09	120		—	—	1.5-6	18.0	0.50				B4	A	1926
AML.2/30	Output triode	2.0*	0.30	120		—	—	1.5-9	7.5	0.93				B4	A	1926
AML.6/25	Output triode	6.0*	0.25	120		—	—	1.5-9	3.5	1.70				B4	A	1926
AMR.2/9	RF or RCC triode	2.0*	0.09	120		—	—	0-1.5	70.0	0.50				B4	A	1926
AMR.6/9	RF or detector triode	6.0*	0.09	120		—	—	1.5-6	55.0	0.64				B4	A	1926
AMS.6/100	Output triode	6.0*	0.10	350		—	—	3-18						B4	A	1926
ANELOY																
AP235	Bi-grid tetrode	2.0*	0.35											B4+st	AB	1927
AP406	Bi-grid tetrode	4.0*	0.06											B4+st	AB	1927
AP412 HF	RF or RC bi-grid tetrode	4.0*	0.12	20-100		4-25			60.0	0.45				B4+st	AB	1927
AP412 LF	AF bi-grid tetrode	4.0*	0.12	20-50		10-15			11.0	0.68				B4+st	AB	1927
AP412P	Output bi-grid tetrode	4.0*	0.12	40-100		10-20			4.9	1.10				B4+st	AB	1927
AP412 RC	RCC bi-grid tetrode	4.0*	0.12	60					120.0	0.31				B4+st	AB	1927
AP412 SG	RF bi-grid tetrode	4.0*	0.12	30-120		4-25			500.0	0.20				B4+st	AB	1927
AP412U	Detector bi-grid tetrode	4.0*	0.12											B4+st	AB	1927
AP425P	Output bi-grid tetrode	4.0*	0.25	40-100		10-25			2.4	1.24				B4+st	AB	1927
B.E. (4V)	GP bi-grid tetrode	3.5*	0.55	50-100										B4+st	AB	1927
B.E. (6V)	GP bi-grid tetrode	6.0*	0.50											B4+st 5-pin L	AB	1927
D.E.	GP bi-grid tetrode	4.0*	0.34											ditto		1927
D.E.06	GP bi-grid tetrode	4.0*	0.06											ditto		1927
D.E.4	GP bi-grid tetrode	4.0*	0.56											ditto		1927
D.E.34	GP bi-grid tetrode	4.0*	0.34											ditto		1927
H.F.	RF bi-grid tetrode	2.0*	0.34	20-30										B4+st	AB	1927
H.F. & DET	RF or RC bi-grid tetrode	3.5*	0.06	20-25										B4+st	AB	1927
L.F.	AF bi-grid tetrode	2.0*	0.34	20-40										B4+st	AB	1927
L.S.680	Output bi-grid tetrode	6.0*	0.80	200					1.0	3.00				B4+st	AB	1929

Type	Description	Filament		Anode		Auxiliary grid		Grid	r _a	g _m / g _c	R _L	P _o	R _K	Base		Year
		Volts	Amps	Volts	mA	Volts	mA	–V	kΩ	mA/V	kΩ	Watts	Ω	Type	Ref.	
ARA																
1	General-purpose triode	3.8-4.0*	0.06	30-80		—	—	0-6						B4	A	1926
3	AF triode	3.8-4.0*	0.06	30-80		—	—	0-6						B4	A	1926
6	General-purpose triode	3.5-4.0*	0.06	30-80		—	—	0-6						B4	A	1926
7A	AF triode	3.5-4.0*	0.06			—	—		12.5	1.04				B4	A	1926
8	Output triode	3.5-4.0*	0.25	60-150		—	—	3-12						B4	A	1926
9	AF triode	1.8-2.0*	0.25	50-150		—	—	0-7.5	12.5	0.56				B4	A	1926
13	General-purpose triode	1.8-2.0*	0.08	30-90		—	—		15.0	0.20				B4	A	1926
15	RF or RCC triode	1.3-1.5*	0.20	40-120		—	—		40.0	0.22				B4	A	1926
16	General-purpose triode	2.7-3.0*	0.06			—	—		30.0	0.53				B4	A	1926
17	Output triode	3.5-4.0*	0.23	40-200		—	—	3-15	8.0	0.87				B4	A	1926
BEAM																
DE.06	General purpose triode	3.0-4.0*	0.06	20-90		—	—							B4	A	1926
DE2	General purpose triode	1.8-2.0*	0.12	20-90		—	—	0-6						B4	A	1926
BEN JAMIN																
DE55	General purpose triode	5.5*	0.09			—	—	0-3	18.0	0.50				B4	A	1926
SP18 (blue spot)	RCC triode	1.8*	0.09	80-120		—	—	0	70.0	0.50				B4	A	1926
SP18 (green spot)	RF triode	1.8*	0.30	20-80		—	—	0-3	17.0	0.88				B4	A	1926
SP18 (red spot)	Output triode	1.8*	0.30	60-120		—	—		7.5	0.93				B4	A	1926
SP55 (blue spot)	RF or RCC triode	5.5*	0.09	60-120		—	—	0	55.0	0.64				B4	A	1926
SP55 (red spot)	Output triode	5.5*	0.25			—	—	0-4	3.5	1.70				B4	A	1926
DE55	General purpose triode	5.5*	0.09			—	—	0-3	18.0	0.50				B4	A	1926
BERITON																
H.F.2 (red line)	RF or detector triode	2.0*	0.10	30-90		—	—		29.0	0.45				B4	A	1927
H.F.4 (red line)	RF or detector triode	4.0*	0.10	30-90		—	—		11.0	1.20				B4	A	1927
H.F.6 (red line)	RF or detector triode	6.0*	0.10	30-90		—	—		20.0	0.70				B4	A	1927
L.F.2 (white line)	AF triode	2.0*	0.10	30-100		—	—	1.5-4.5	15.0	0.50				B4	A	1927
L.F.4 (white line)	AF triode	4.0*	0.10	30-100		—	—	1.5-4.5	6.25	1.20				B4	A	1927
L.F.6 (white line)	AF triode	6.0*	0.10	60-100		—	—	1.5-4.5	10.0	0.85				B4	A	1927
Power 2 (gn line)	Output triode	2.0*	0.25	60-100		—	—	4.5-9.0	7.0	0.70				B4	A	1927
Power 4 (gn line)	Output triode	4.0*	0.15	60-100		—	—	4.5-13.5	5.0	1.00				B4	A	1927
Power 6 (gn line)	Output triode	6.0*	0.10	30-90		—	—	4.5-13.5	5.0	1.00				B4	A	1927
R.C.2	RCC triode	2.0*	0.10	60-120		—	—	1.5-3.0	120.0	0.25				B4	A	1927
R.C.4	RCC triode	4.0*	0.10	60-120		—	—	1.5-3.0	80.0	0.50				B4	A	1927
R.C.6	RCC triode	6.0*	0.10	100-150		—	—	1.5-9.5	80.0	0.50				B4	A	1927

Type	Description	Filament		Anode		Auxiliary grid		Grid −V	r _a kΩ	g _m / g _c mA/V	R _L kΩ	P _o Watts	R _K Ω	Base		Year
		Volts	Amps	Volts	mA	Volts	mA							Type	Ref.	
BRIMAR																
1A4E	VM RF pentode	2.0*	0.06	135	2.2	67.5	0.9	3.0	1M	0.65				USS4	B	1940
1A5EG, 1A5G/GT	Output pentode	1.4*	0.05	90	4.0	90	0.8	4.5	300.0	0.85	25.0	0.117		IO	CF	1940
1A6	Heptode FC	2.0*	0.06	mix135 osc135	1.8 2.0	67.5 —	2.1 —	3.0	400.0 20.0	0.27^				USS6	A	1940
1A7EG, 1A7G/GT	Heptode FC	1.4*	0.05	mix90 osc90	0.55 1.2	90 —	0.6 —	0	600.0	0.25^				IO	CD	1940
1C5EG, 1C5G/GT	Output pentode	1.4*	0.10	90	7.5	90	1.6	7.5	115.0	1.55	8.0	0.24		IO	CF	1940
1C6	Heptode FC	2.0*	0.12	mix135 osc135	1.3 3.1	67.5	2.5	3.0	600.0 20.0	0.30^				USS6	A	1940
1H5G/GT	Single diode triode	1.4*	0.05	90	0.15	—	—	0	240.0	0.27				IO	CU	1940
1LA4E	Output pentode	1.4*	0.05	90	4.0	90	0.8	4.5	300.0	0.85	25.0	0.117		B8B	AC	1940
1LA6E	Heptode FC	1.4*	0.05	mix90 osc90	0.55 1.2	90 —	0.6 —	0	600.0	0.25^				B8B	AE	1940
1LD5	Single diode pentode	1.4*	0.05	90	0.6	45	0.1	0	750.0	0.57				B8B	AG	
1LH4	Single diode triode	1.4*	0.05	90	0.15	—	—	0	240.0	0.27				B8B	AB	1940
1LN5E	RF pentode	1.4*	0.05	90	1.6	90	0.35	0	1.1M	0.80				B8B	AD	1940
1N5G/GT	RF pentode	1.4*	0.05	90	1.2	90	0.30	0	1.5M	0.75				IO	CE	'40s
1Q5G/GT	Output beam tetrode	1.4*	0.10	90	9.5	90	1.3	4.5	75.0	2.20	8.0	0.27		IO	CF	1940
1R5	Heptode FC	1.4*	0.05	90	1.6	67.5	3.2	0	600.0	0.30^				B7G	C	'40s
1S4	Output beam tetrode	1.4*	0.10	90	7.4	67.5	1.4	7.0	100.0	1.57	8.0	0.27		B7G	D	'40s
1S5	Diode and AF pentode	1.4*	0.05	90	2.7	90	0.5	0	500.0	0.72				B7G	E	'40s
1T4	VM RF pentode	1.4*	0.05	90	3.5	67.5	1.4	0/16	500.0	0.90				B7G	B	'40s
2A3	Output triode	2.5*	2.50	250	40.0	—	—	45.0	800Ω	5.20	2.5	3.5	750	USM4	A	
2A5	Output pentode	2.5	1.75	250	34.0	250	6.5	16.5	80.0	2.50	7.0	3.2	400	USM6	H	
3D6	Output beam tetrode	1.4*	0.22•	135	9.8	90	1.2	4.5	150.0	2.40	12.0	0.5		B8B	AH	'40s
3Q5G/GT	Output beam tetrode	1.4*	0.10•	90	9.5	90	1.3	4.5	90.0	2.20	8.0	0.27		IO	CQ	1940
3S4	Output beam tetrode	1.4*	0.10•	90	6.1	67.5	1.1	7.0	100.0	1.42	8.0	0.23		B7G	F	'40s
4D1	General-purpose triode	13.0	0.20	250	10.0	—	—	3.0	10.0	4.00				B7	Y	1936
6A3	Output triode	6.3*	1.00	250	60.0	—	—	45.0	800Ω	5.25	2.5	3.5	750	UMS4	A	1940
6A6 (see 6N7G)	Class B double triode	6.3	0.80											USM7	E	
6A7, 6A7E	Heptode FC	6.3	0.30	mix250 osc250	3.5 4.0	100 —	2.7 —	3.0	360.0 20.0	0.55^			300	UMS7	A	1937
6A8G/GT	Heptode FC	6.3	0.30	mix250 osc250	3.5 4.0	100 —	2.7 —	3.0	360.0 20.0	0.55^			300	IO	A	1937
6AG6G	Output pentode	6.3	1.20	250	32.0	250	6.0	6.0	60.0	10.00	9.0	3.75	150	IO	AM	1940
6B4G	Output triode (DH)	6.3*	1.00	250	60.0	—	—	45.0	800Ω	5.25	2.5	3.5	750	IO	CI	1940

Type	Description	Filament		Anode		Auxiliary grid		Grid	r _a	g _m / g _c	R _L	P _o	R _k	Base		Year
		Volts	Amps	Volts	mA	Volts	mA	−V	kΩ	mA/V	kΩ	Watts	Ω	Type	Ref.	
BRIMAR cont																
6B5	Triode/direct coupled output triode	6.3	0.80	t300 ot300	9.0 42.0	— —	— —	0 int. to k	24.0	2.40	7.0	4.0		USM6	E	1937
6B6G	Double diode triode	6.3	0.30	250	0.9	—	—	2.0	91.0	1.10				IO	AE	1940
6B7, 6B7E	Double diode pentode	6.3	0.30	250	9.0	125	2.3	3.0	600.0	1.12			250	USS7	B	1937
6B8G/GT	Double diode & semi-VM RF or AF pentode	6.3	0.30	250	9.0	125	2.3	3/21	600.0	1.12				IO	Q	
6B8EG	Double diode & semi-VM RF or AF pentode	6.3	0.30	250	7.5	125	2.1	3.0	550.0	1.30				IO	Q	1940
6B8SG	Double diode and VM RF pentode	6.3	0.30	250	6.5	100	1.4	3/40	800.0	1.00				IO	Q	1940
6C5G	General-purpose triode	6.3	0.30	250	8.0	—	—	8.0	10.0	2.00				IO	V	1937
6C6	RF pentode	6.3	0.30	250	2.0	100	0.5	3.0	1M	1.20				USS6	B	1937
6C8G	Double triode	6.3	0.30	250	3.2	—	—	0	22.5	1.60				IO	AD	
6CD6G	Line timebase output beam tetrode	6.3	2.50	200	64.0	150	3.0	30.0		6.70				IO	AQ	1940s
6D6	VM RF pentode	6.3	0.30	250	8.2	100	2.0	3.0	800.0	1.60				USS6	B	1937
6F5, 6F5G	High-mu triode	6.3	0.30	250	0.9	—	—	2.0	66.0	1.50				IO	T	1940
6F6G	Output pentode	6.3	0.70	285	38.0	285	7.0	20.0	78.0	2.55	7.0	4.8	440	IO	AM	1937
6F6EG	Output pentode	6.3	0.70	250	32.0	250	6.2	16.5	80.0	2.25	7.0	3.5	410	IO	AM	1940
6F7, 6F7B, 6F7E	AF triode and pentode	6.3	0.30	t100 p250	3.5 6.5	— 100	— 1.5	3.0 3.0	30.0 850.0	1.05 1.10				USS7	N	1940
6H6G/GT	Double diode	6.3	0.30	150	4.0	—	—							IO	BE	1937
6J5G/GT	General-purpose triode	6.3	0.30	250	9.0	—	—	8.0	7.7	2.60				IO	V	1940
6J7G/GT	RF pentode	6.3	0.30	250	2.0	100	0.5	3.0	1.5M	1.25				IO	H	1937
6K5G	High-mu triode	6.3	0.30	250	1.1	—	—	3.0	50.0	1.40				IO	U	1940
6K6G	Output pentode	6.3	0.40	315	23.5	285	4.0	21.0	75.0	2.10	9.0	4.5	700	IO	AM	
6K7G/GT	VM RF pentode	6.3	0.30	250	10.5	125	2.6	3/52	600.0	1.65			220	IO	H	1938
6K7EG	VM RF pentode	6.3	0.30	250	10.5	125	2.6	3.0	700.0	1.40			200	IO	H	1940
6K8G/GT	Triode hexode FC	6.3	0.30	h250 t100	2.5 3.8	100 —	6.0 —	3/30	600.0	0.36^			300	IO	D	1940
6L6G	Output beam tetrode Class AB1 push-pull	6.3	0.90	350 360	54.0 88.0	250 270	2.5 5.0	18.0 22.5	33.0	5.20	4.2 9.0	11.0 24.0	125 250	IO	AM	1938
6L7G	Heptode: as mixer as amplifier	6.3	0.30	250 250	3.3 5.3	150 100	9.2 6.5	6/45 3.0	1M 600.0	0.35^ 1.10				IO	B	1937
6N6G	Triode/direct coupled output triode	6.3	0.80	t300 ot300	9.0 42.0	— —	— —	0 int. to k	24.0	2.40	7.0	4.0		IO	Y	1937
6N7G/GT	Class B double triode	6.3	0.80	300	35/70	—	—	0	23.0	1.60	8.0	10.0		IO	X	1940

Type	Description	Filament		Anode		Auxiliary grid		Grid	r_a	g_m / g_c	R_L	P_o	R_k	Base		Year
		Volts	Amps	Volts	mA	Volts	mA	-V	k Ω	mA/V	k Ω	Watts	Ω	Type	Ref.	
BRIMAR cont.																
6P8G	Triode hexode FC	6.3	0.80	h250 t100	2.2 2.3	80	3.0	3.0	700.0	0.65 ^A			200	IO	D	1938
6Q7G/GT	Double diode triode	6.3	0.30	250	1.0	—	—	3.0	58.0	1.20				IO	AE	1937
6R7G	Double diode triode	6.3	0.30	250	9.5	—	—	9.0	8.5	1.90				IO	AE	1938
6SG7	Semi-VM RF pentode	6.3	0.3	250	9.2	150	3.4	2.5/17.5	1M	4.00				IO	P	
6SH7	RF pentode	6.3	0.30	250	10.8	150	4.1	1.0	900.0	4.90				IO	P	
6SJ7	RF pentode	6.3	0.30	250	3.0	100	0.8	3.0	1M	1.60				IO	K	
6SK7	VM RF pentode	6.3	0.30	250	9.2	100	2.6	3.0	800.0	2.00				IO	K	
6SL7GT	High- μ double triode	6.3	0.30	250	2.3	—	—	2.0	44.0	1.60				IO	AB	
6SN7GT	Low- μ double triode	6.3	0.60	250	9.0	—	—	8.0	7.7	2.60			1,100	IO	AB	
6SQ7	Double diode triode	6.3	0.30	250	0.9	—	—	2.0	91.0	1.10			2,500	IO	AG	
6U7G	VM RF pentode	6.3	0.30	250	8.2	100	2.0	3/50	800.0	1.60			330	IO	H	1937
6V6G/GT	Output beam tetrode Class AB1 push-pull	6.3	0.45	250 285	45.0 70.0	250 285	4.5 4.5	12.5 19.0	52.0	4.10	5.0 8.0	4.5 14.0	240 250	IO	AM	1938
7A2**	Output pentode	4.0	1.20	250	34.0	250	6.5	16.5	80.0	2.35	7.0	3.5	410	B7	F	1933
7A3	Output pentode	4.0	2.00	250	32.0	250	6.0	6.0	60.0	10.00	8.5	3.75	150	B7	Z	1935
7A7, 7A7E	VM RF pentode	6.3	0.30	250	8.6	100	2.0	3/35	800.0	2.00			300	B8B	C	1940
7A8, 7A8E	Octode FC	6.3	0.15	mix250 osc100	3.0 4.2	100	3.2	3.0	700.0	0.55 ^A			300	B8B	I	1940
7B5E	Output pentode	6.3	0.40	250	32.0	250	5.5	18.0	68.0	2.20	7.6	3.4	500	B8B	K	1940
7B6	Double diode triode	6.3	0.30	250	1.0	—	—	2.0	110.0	0.90			2,000	B8B	B	1940
7B7, 7B7E	VM RF pentode	6.3	0.15	250	8.5	100	2.0	3/40	700.0	1.70			300	B8B	C	1940
7B8, 7B8E	Heptode FC	6.3	0.30	mix250 osc100	3.5 4.2	100	3.2	3.0	360.0	0.55 ^A			300	B8B	I	1940
7C5	Output beam tetrode	6.3	0.45	250	45.0	250	4.5	12.5	52.0	4.10	5.0	4.5	240	B8B	K	1940
7C6	Double diode triode	6.3	0.15	250	1.5	—	—	1.0	100.0	1.00			1,000	B8B	B	1940
7C7, 7C7E	RF pentode	6.3	0.15	250	2.0	100	0.50	3.0	2M	1.30			1,200	B8B	C	1940
7D3	Output pentode	40.0	0.20	160	33.0	120	6.5	20.0	42.0	2.40	5.0	2.2	440	B7	Z	1935
7D5	Output pentode	13.0	0.315	250	34.0	250	6.5	16.5	80.0	2.35	7.0	3.5	410	B7	Z	1938
7D6	Output pentode	40.0	0.20	250	32.0	250	6.0	6.0	60.0	10.00	8.5	3.75	150	B7	Z	1935
7D8	Output pentode	13.0	0.65	250	32.0	250	6.0	6.0	60.0	10.00	8.5	3.75	150	B7	Z	1935
7F7	Double triode	6.3	0.30	250	2.3	—	—	2.0	44.0	1.60				B8B	P	
7H7	VM RF pentode	6.3	0.30	250	9.5	250	3.5	2.5/30	800.0	3.80			200	B8B	C	
7K7	Double diode triode	6.3	0.30	250	2.30	—	—	2.0	44.0	1.60			1,000	B8B	W	
7N7	Low- μ double triode	6.3	0.60	250	9.0	—	—	8.0	7.7	2.60			1,100	B8B	P	

Type	Description	Filament		Anode		Auxiliary grid		Grid	r _a	g _m / g _c	R _L	P _o	R _k	Base		Year
		Volts	Amps	Volts	mA	Volts	mA	−V	kΩ	mA/V	kΩ	Watts	Ω	Type	Ref.	
BRIMAR cont.																
7R7	Double diode, semi-VM RF pentode	6.3	0.30	250	5.7	100	1.7	1/20	1M	3.20			150	B8B	N	
7S7	Triode heptode FC	6.3	0.30	h250 t150	1.9 5.0	100	3.0	2/21	1.25M	0.53^			200	B8B	H	
8A1**	RF pentode	4.0	1.00	200	3.5	80	0.7	1.5	600.0	4.00			200	B5 B7	B E	1933 1937
8D2	RF pentode	13.0	0.20	250	2.0	100	0.50	3.0	1.1M	1.25			1,000	B7	F	1934
9A1**	VM RF pentode	4.0	1.00	200	5.0	80	1.0	1.5/30	600.0	4.25			220	B5 B7	B E	1933 1937
9A3**	VM RF pentode	4.0	0.65	250	10.0	125	3.0	2.0	600.0	1.80				B7	F	1934
9D2	VM RF pentode	13.0	0.20	250	10.5	125	2.6	3/52	600.0	1.65			220	B7	F	1934
10D1	Double diode	13.0	0.20	50	1.0	—	—							B5	C	1936
11A2**	Double diode triode	4.0	1.00	200	3.0	—	—	2.0	18.0	2.80			600	B7	G	1933
11D3	Double diode triode	13.0	0.20	250	0.4	—	—	2.0	90.0	1.10			5,000	B7	G	1934
11D5	Double diode triode	13.0	0.15	250	3.8	—	—	3.0	26.7	1.50			750	B7	G	
12A6	Output beam tetrode	12.6	0.15	250	30.0	250	3.5	12.5	70.0	3.00	7.5	2.8	350	IO	AM	
12A7	Output pentode & half-wave rectifier	12.6	0.30	p135 r125	9.0 30.0	135 —	2.5 —	13.5		1.00	13.5	0.55		USS7	C	1940
12C8GT	Double diode and AF pentode	12.6	0.15	250	9.0	125	2.3	3.0	600.0	1.12			250	IO	Q	
12J7GT	RF pentode	12.6	0.15	250	2.0	100	0.50	3.0	1.5M	1.25			1,000	IO	H	
12K8GT	Triode hexode FC	12.6	0.15	h250 t100	2.5 3.8	100	6.0	3/30	600.0	0.36^			300	IO	D	
12Q7GT	Double diode triode	12.6	0.15	250	1.1	—	—	3.0	58.0	1.20				IO	AE	
12SJ7	RF pentode	12.6	0.15	250	3.0	100	0.80	3.0	1.5M	1.65			1,000	IO	K	
12SK7	VM RF pentode	12.6	0.15	250	9.2	100	2.4	3/35	800.0	2.00			220	IO	K	
12SQ7	Double diode triode	12.6	0.15	250	0.9	—	—	2.0	91.0	1.10				IO	AG	
12SR7	Double diode triode	12.6	0.15	250	6.5	—	—	9.0	8.5	1.90	10.0	0.30		IO	AG	
15, 15E	RF pentode (IH battery)	2.0	0.22	135	1.85	67.5	0.3	1.5	800.0	0.70				USS5	B	1940
15A2**	Heptode FC See also 6A8G)	4.0	0.65	mix250 osc200	3.5 4.0	100 —	2.7 —	3.0	360.0	0.55^				B7	B	1934
15D1	See 15A2	13.0	0.20											B7	B	1934
15D2	See 15A2	13.0	0.15											B7	B	
16D1	Double output triode	13.0	0.40	300	2x45	—	—				7.2	5.2		B7	AT	1936
18	Output pentode	14.0	0.30	250	34.0	250	6.5	16.5	80.0	2.50	7.0	3.2	410	USM6	H	1938
18E	Output pentode	14.0	0.30	250	32.0	250	6.2	16.5	80.0	2.25	7.0	3.5	410	USM6	H	1940

Type	Description	Filament		Anode		Auxiliary grid		Grid	r _a	g _m / g _c	R _L	P _o	R _k	Base		Year
		Volts	Amps	Volts	mA	Volts	mA	−V	kΩ	mA/V	kΩ	Watts	Ω	Type	Ref.	
BRIMAR cont																
19	Class B double triode	2.0*	0.26	135 135	10.0 3.4	—	—	0 3.0			10.0 10.0	2.1 1.9		US6	G	1940
20A1	Triode hexode FC	4.0	1.20	h250 t100	2.2 2.3	80	3.0	1.5	700.0	0.65^				B7	C	1938
20D2	Triode hexode FC	13.0	0.15	h250 t100	2.5 3.8	100 —	6.0 —	3.0	600.0	0.36^			300	B7	C	1940
24A, 24E	RF tetrode	2.5	1.75	250	4.0	90	1.7	3.0	600.0	1.00			500	USM5	B	1938
25A6G	Output pentode	25.0	0.30	160	33.0	120	6.5	18.0	42.0	2.40	5.0	2.2	440	IO	AM	1937
25A7G	Output pentode and half-wave rectifier	25.0	0.30	p100 r125	20.5 75.0	100	4.0	15.0	50.0	1.80	4.5	0.77	550	IO	DC	
25B8GT	Triode and RF pentode	25.0	0.15	t100 p100	0.6 7.6	— 100	— 2.0	1.0 3.0	75.0 200.0	1.50 2.00				IO	R	
25L6GT	Output beam tetrode	25.0	0.30	200	50.0	110	2.0	8.0	30.0	9.50	3.0	4.3	160	IO	AM	1938
27	General-purpose triode	2.5	1.75	250	5.2	—	—	21.0	9.0	1.00			4,000	USS5	A	1940
30, 30E	General-purpose triode	2.0*	0.06	135	3.0	—	—	9.0	10.3	0.90				USS4	A	1940
32E	RF pentode	2.0*	0.06	135	1.7	67.5	0.4	3.0	1M	0.60				USM4	B	1940
32L7GT	Output beam tetrode and rectifier	32.5	0.30	bt90 r125	27.0 60.0	90	2.0	7.0	17.0	4.80	2.6	1.0	220	IO	DC	
34E	VM RF pentode	2.0*	0.06	135	2.8	67.5	1.0	3/22.5	600.0	0.60				USM4	B	1940
35L6GT	Output beam tetrode	35.0	0.15	200	41.0	110	2.0	8.0	40.0	5.90			185	IO	AM	
36, 36E	RF tetrode	6.3	0.30	250	3.2	90	1.7	3.0	550.0	1.10				USS5	B	1938
37	General-purpose triode	6.3	0.30	250	7.5	—	—	18.0	8.4	1.10				USS5	A	1940
39/44, 39/44E	VM RF pentode	6.3	0.30	250	5.8	90	1.4	3.0	1M	1.10				USM5	B	1938
41, 41E	Output pentode	6.3	0.40	250	32.0	250	5.5	18.0	68.0	2.30	8.0	3.4	500	USS6	H	1940
42, 432E	Output pentode	6.3	0.70	250	34.0	250	6.5	16.5	80.0	2.50	7.0	3.2	410	USM6	H	1937
43, 43E	Output pentode	25.0	0.30	160	33.0	120	6.5	18.0	42.0	2.40	5.0	2.2	440	USM6	H	1937
45	Output triode	2.5*	1.50	250	36.0	—	—	50.0	1.6	2.20	3.9	1.6	1,500	USM4	A	1940
47, 47E	Output pentode	2.5*	1.75	250	31.0	250	6.0	16.5	60.0	2.50	7.0	2.7	450	USM5	C	1938
50L6GT	Output beam tetrode	50.0	0.15	110	49.0	110	4.0	7.5	10.0	9.00	1.5	2.1	150	IO	AM	
70L7GT	Output beam tetrode & half-wave rectifier	70.0	0.15	bt110 r125	40.0 70.0	110	3.0	7.5	15.0	7.50	2.0	1.8	175	IO	AU	
71A	Output triode	5.0*	0.25	180	20.0	—	—	40.5	1.75	1.70	4.8	0.8		USM4b	A	1940
75	Double diode triode	6.3	0.30	250	0.9	—	—	2.0	91.0	1.10				USS6	D	1937
76	General-purpose triode	6.3	0.30	250	5.0	—	—	13.5	9.5	1.45				USS5	A	1940
77, 77E	RF pentode	6.3	0.30	250	2.3	100	0.5	3.0	1.5M	1.20				USS6	B	1938
78, 78E	VM RF pentode	6.3	0.30	250	7.0	100	1.7	3/42	800.0	1.45			300	USS6	B	1937

Type	Description	Filament		Anode		Auxiliary grid		Grid	r _a	g _m / g _c	R _L	P _o	R _k	Base		Year
		Volts	Amps	Volts	mA	Volts	mA	−V	kΩ	mA/V	kΩ	Watts	Ω	Type	Ref.	
BRIMAR cont.																
79	Class B double triode	6.3	0.60	250	10.6	—	—				14.0	8.0		USS6	F	1940
85	Double diode triode	6.3	0.30	250	8.0	—	—	20.0	7.5	1.10				USS6	D	1940
117L7GT } 117M7GT }	Output beam tetrode & half-wave rectifier	117.0	0.09	bt105 r117	43.0 75.0	105	4.0	5.3	17.0	5.30	4.0	0.85	110	IO	AV	
117N7GT	Output beam tetrode & half-wave rectifier	117.0	0.09	bt100	51.0	100	5.0	6.0	16.0	7.00	3.0	1.20	110	IO	AW	
117P7GT	Output beam tetrode & half-wave rectifier	117.0	0.09	bt105 r117	43.0 75.0	105	4.0	5.2	17.0	5.30	4.0	0.85	110	IO	AW	
807	Power beam tetrode Class AB1 push-pull Class AB2 push-pull	6.3	0.90	500 600 600	50.0 80/150 60/200	200 300 300	1.6 1.5/17.5 5/21	14.5 27.5 30.0	39.0	5.70	6.0 10.0 6.4	11.5 47.0 80.0	280 None None	USM5	F	
2101	Output pentode	2.0*	0.12	135	8.0	135	2.6	4.5	200.0	1.70	16.0	0.45		USS5	C	1940
2102	Double diode triode	2.0*	0.12	135	2.1	—	—	1.5	23.0	1.30				USS6	C	1940
2103	Double output pentode	2.0*	0.26	135	4.0	135	1.2	7.5		1.60	24.0	0.6		USS7	H	1940
2151	Output pentode Class A push-pull	14.0	0.30	250 250	47.0 94.0	250 250	11.6 23.0	31.0 31.0	50.0	2.40	5.0 7.0	5.0 12.0	500 250	USS6	H	1940
HLA2**	General-purpose triode	4.0	1.00	200	6.0	—	—	2.5	9.0	5.50			400	B5	A	1933
PA1**	Output triode (IH)	4.0	1.00	200	40.0	—	—	9.0	1.05	12.00	4.0	1.8	260	B5	A	1932
PenA1**	Output pentode	4.0*	1.00	250	32.0	250	6.5	16.5		3.00	8.0	2.7	450	B5	F	1932
PenB1**	Output pentode	2.0*	0.20	150	8.0	150	1.8	4.5			18.0			B5	F	1935

** These Brimar valves were previously Micromesh types

Type	Description	Filament		Anode		Auxiliary grid		Grid	r _a	g _m / g _c	R _L	P _o	R _k	Base		Year
		Volts	Amps	Volts	mA	Volts	mA	−V	kΩ	mA/V	kΩ	Watts	Ω	Type	Ref.	
BRITANNIA																
206d (White line)	Detector triode	2.0*	0.06			—	—		25.0	0.43				B4	A	1926
206h (Red line)	RF triode	2.0*	0.06			—	—		35.0	0.40				B4	A	1926
206l (Green line)	AF triode	2.0*	0.06			—	—		18.0	0.44				B4	A	1926
206rc (Blue line)	RCC triode	2.0*	0.06			—	—		120.0	0.33				B4	A	1926
215d (White line)	Detector triode	2.0*	0.15			—	—		30.0	0.50				B4	A	1926
215h (Red line)	RF triode	2.0*	0.15			—	—		40.0	0.50				B4	A	1926
215l (Green line)	AF triode	2.0*	0.15			—	—		12.0	0.50				B4	A	1926
406d (White line)	Detector triode	4.0*	0.06			—	—		19.0	0.50				B4	A	1926
406h (Red line)	RF triode	4.0*	0.06			—	—		23.0	0.65				B4	A	1926
406l (Green line)	AF triode	4.0*	0.06			—	—		11.0	0.55				B4	A	1926
406RC (Blue line)	RCC triode	4.0*	0.06			—	—		120.0	0.33				B4	A	1926
2P (Gold line)	Output triode	2.0*	0.20			—	—		6.0	0.82				B4	A	1926
4P (Gold line)	Output triode	4.0*	0.15			—	—		4.0	1.00				B4	A	1926
6P (Gold line)	Output triode	6.0*	0.20			—	—		3.0	1.00				B4	A	1926
BSA-STANDARD																
G125	General purpose triode	1.0*	0.25	30-60		—	—		25.0	0.22				B4	A	1926
G125A	General purpose triode	1.0*	0.25	30-60		—	—		25.0	0.22				UV	A	1926
G225	General purpose triode	2.0*	0.28	60-120		—	—		17.0	0.50				B4	A	1926
H125	RF or detector triode	1.0*	0.25	60-90		—	—		45.0	0.26				B4	A	1926
H125A	RF or detector triode	1.0*	0.25			—	—		45.0	0.26				UV	A	1926
P125	Output triode	1.0*	0.25			—	—							B4	A	1926
P125A	Output triode	1.0*	0.26			—	—							B4	A	1926
P425	Output triode	4.0*	0.28	130		—	—	2-8		1.10				B4	A	1926
P425A	Output triode	4.0*	0.29	130		—	—	2-8		1.10				B4	A	1926
P485	Output triode	4.0*	0.90	130		—	—	3-12		1.00				B4	A	1926
P612	Output triode	6.0*	0.12	130		—	—	2-8		1.00				B4	A	1926

Type	Description	Filament		Anode		Auxiliary grid		Grid	r_a	g_m / g_c	R_L	P_o	R_K	Base		Year
		Volts	Amps	Volts	mA	Volts	mA	-V	k Ω	mA/V	k Ω	Watts	Ω	Type	Ref.	
BTH																
B5H	RF or RCC triode	2.8*	0.06	120		—	—		55.0	0.33				B4	A	1926
B8	RCC triode	2.8*	0.12	150		—	—		180.0	0.28				B4	A	1927
B11	Output triode	6.0*	0.50	200		—	—	36.0	2.5	1.40				B4	A	1927
B12	Output triode	7.5*	1.25	425	55.0	—	—	80.0	2.9	0.98		3.1		B4	A	1927
B21	RF or detector triode	2.0*	0.10	150		—	—		32.0	0.50				B4	A	1927
B22	General-purpose triode	2.0*	0.10	100		—	—		14.0	0.54				B4	A	1927
B23	Output triode	2.0*	0.20	100		—	—		8.0	0.57				B4	A	1927
B210H	RF or RCC triode	2.0*	0.10	150		—	—		250.0	0.14				B4	A	1927
B210L	Detector triode	2.0*	0.10	120		—	—		14.0	0.93				B4	A	1927
B215P	Output triode	2.0*	0.15	120		—	—		7.0	1.00				B4	A	1927
BG3	Triode (no data)					—	—							B4	A	
BS215	RF tetrode	2.0*	0.15	150		75			230.0	0.55				B4+tt	B	1929
BTS215	Detector triode & AF triode (Two-Stage)	2.0*	0.15	80-120 80-120		—	—	4.5-9	100.0 7.0	0.27 0.90				B4+2st	X	1928
GP210	General-purpose triode	2.0*	0.10	See Mazda		—	—							B4	A	1928
GP407	General-purpose triode	4.0*	0.07			—	—							B4	A	1928
GP607	General-purpose triode	6.0*	0.07			—	—							B4	A	1928
HF210	RF triode	2.0*	0.10			—	—							B4	A	1928
HF407	RF triode	4.0*	0.07			—	—							B4	A	1928
HF607	RF triode	6.0*	0.07			—	—							B4	A	1928
LF210	AF triode	2.0*	0.10			—	—							B4	A	1928
LF407	AF triode	4.0*	0.07			—	—							B4	A	1928
LF607	AF triode	6.0*	0.07			—	—							B4	A	1928
P227	Output triode	2.0*	0.27			—	—							B4	A	1928
P415	Output triode	4.0*	0.15			—	—							B4	A	1928
P615	Output triode	6.0*	0.15			—	—							B4	A	1928
PX650	Output triode	6.0*	0.50			—	—							B4	A	1928
RC210	RCC triode	2.0*	0.10			—	—							B4	A	1928
RC407	RCC triode	4.0*	0.07			—	—							B4	A	1928
RC607	RCC triode	6.0*	0.07			—	—							B4	A	1928
SG207	RF tetrode	2.0*	0.075	120	1.5	80	1.2	1.0		0.40				B4+tt	B	1928
Screen Grid	RF tetrode (no data)	1.0*	0.10											B4+tt	B	1927

Type	Description	Filament		Anode		Auxiliary grid		Grid	r_a	g_m / g_c	R_L	P_o	R_K	Base		Year
		Volts	Amps	Volts	mA	Volts	mA	-V	k Ω	mA/V	k Ω	Watts	Ω	Type	Ref.	
BURNDEPT																
H.310	RF or RCC triode	3.0*	0.10	80	0.8	—	—	0	55.0	0.31				B4	A	1925
H.512	RF or RCC triode	5.0*	0.12	80	1.4	—	—	0.5	40.0	0.45				B4	A	1925
H.L.212	General-purpose triode	2.0*	0.12			—	—		25.0	0.32				B4	A	1926
H.L. 213	General-purpose triode	2.0*	0.13	80	1.5	—	—	1.0	23.0	0.28				B4	A	1925
H.L. 310	General-purpose triode	3.0*	0.10	80	2.4	—	—	4.0	20.0	0.33				B4	A	1925
H.L.425	AF triode	4.0*	0.25	30-45		—	—		10.0	0.90				B4	A	1926
H.L.512	General-purpose triode	5.0*	0.12	80	2.2	—	—	0.25	25.0	0.36				B4	A	1925
H.L.565	General-purpose triode	5.0*	0.65	80	1.6	—	—	2.0	28.0	0.35				B4	A	1925
L.210	AF triode	2.0*	0.10			—	—							B4	A	1927
L.225	AF triode	2.0*	0.25			—	—		13.0	0.38				B4	A	1926
L.240	Output triode	2.0*	0.40	80	3.8	—	—	7.0	6.5	0.92				B4	A	1925
L.525	Output triode	5.0*	0.25	80	4.3	—	—	3.0	7.5	0.87				B4	A	1925
L.550	Output triode	5.0*	0.50	60-150		—	—	8.0	6.0	0.67				B4	A	1925
LL.525	Output triode	5.0*	0.25			—	—		3.0	1.10				B4	A	1927
CAC																
2.V.D.E.	Probably D.E.2	2.0*				—	—							B4	A	1926
4.V.D.E.	See G.P.	4.0*	0.60	30-100		—	—		25.0	0.28				B4	A	1925
B.E.-6 LF	AF triode	4.0*	0.60	20-100		—	—		12.0	0.50				B4	A	1925
B.E.HF (note 1)	RF or detector triode	3.5*	0.50	40-120		—	—	2.0	52.0	0.35				B4	A	1925
B.E.LF (note 1)	AF triode	3.5*	0.50	40-120		—	—	4.0	12.0	0.50				B4	A	1925
D.E.06 HF	RF triode	3.8*	0.06	40-120		—	—		45.0	0.31				B4	A	1926
D.E.06 LF	AF triode	3.8*	0.06	40-120		—	—	1.5-9.0	14.0	0.36				B4	A	1926
D.E.2	Triode	2.0*	0.25			—	—							B4	A	1925
D.E.2 HF (note 1)	RF triode	2.0*	0.25	40-120		—	—	2.0	58.0	0.29				B4	A	1926
D.E.2 LF (note 1)	AF triode	2.0*	0.25	40-120		—	—	4.0	18.5	0.28				B4	A	1926
D.E.3 HF (note 1)	RF triode	2.0*	0.20			—	—		45.0	0.40				B4	A	1926
D.E.3 LF (note 1)	AF triode	2.0*	0.20			—	—		14.0	0.36				B4	A	1926
G.P.	General-purpose triode	4.0*	0.60	30-100		—	—		25.0	0.28				B4	A	1925
G.P.4.V.B.E.	See G.P.	4.0*	0.60	30-100		—	—							B4	A	1925
Orpheus M.P.2	AF triode	2.0*	0.35			—	—		12.0	0.42				B4	A	1926
P.2 (note 1)	Output triode	2.0*	0.40			—	—	0-9	10.0	0.57				B4	A	1926
P.4 (note 1)	Output triode	4.0*	0.40			—	—		14.5	0.34				B4	A	1926
P.6 (note 1)	Output triode	6.0*	0.25			—	—	3-12	6.5	0.85				B4	A	1926

(Note 1) These nine valves were shown later with 'Orpheus' preceding the type designation (see *W.W. Supplement*, 6 April 1927).

Type	Description	Filament		Anode		Auxiliary grid		Grid	r_a	g_m / g_c	R_L	P_o	R_k	Base		Year
		Volts	Amps	Volts	mA	Volts	mA	-V	k Ω	mA/V	k Ω	Watts	Ω	Type	Ref.	
CLARION																
ACD	Double diode	4.0	1.00	200	0.8	—	—	—						B5	C	1936
ACG	GP or output triode	4.0	1.00	200	8.0	—	—	7.5	6.0	2.70	12.0	0.20		B5	A	1933
ACHF	RF triode	4.0	1.00	200	3.0	—	—	3.0	14.0	2.50				B5	A	1932
ACHP	RF pentode	4.0	1.00	200	4.5	100	1.3			2.50				B7	F	1934
ACL	AF or output triode (IH)	4.0	1.00	200	18.0	—	—	12.0	3.0	3.00	7.0	0.50		B5	A	1933
APNDH	Output pentode	4.0*	1.00	250	18.0	200	7.0	10.0			8.0	1.0		B5	G	1936
ACP	Output triode	4.0*	1.00	200	19.0	—	—	21.0	2.0	3.00	4.5	0.70		B4	A	1932
ACPN	Output pentode	4.0	1.00	250	22.0	200	8.0	12.0			9.0	2.0		B5	G	1933
ACPP	Output triode	4.0*	2.00	400	50.0	—	—	25.0	1.8	5.00	4.0	5.0		B4	A	1936
ACSG	RF tetrode	4.0	1.00	200	3.0	85	1.0		350.0	1.40				B5	B	1932
ACVHP	VM RF pentode	4.0	1.00	200	4.5	100	1.5			2.20				B7	F	1934
ACVS	VM RF tetrode	4.0	1.00	200	7.0	90	1.5			2.00				B5	B	1933
ADG	Output triode	20.0	0.18	200	10.0	—	—	10.0	5.7	3.50	10.0	0.27		B5	A	1934
ADHF	Triode	20.0	0.18	200	5.0	—	—	3.0	10.0	3.50				B5	A	1934
ADHP	RF pentode	20.0	0.18	200	5.0	100	2.0			2.80				B7	F	1934
ADL	Output triode	20.0	0.18	200	20.0	—	—	13.0	2.7	3.00	5.0	0.55		B5	A	1934
ADPN	Output pentode	20.0	0.18	250	22.0	200	8.0	15.0			9.0	2.2		B5	G	1933
ADVHP	VM RF pentode	20.0	0.18	200	5.5	100	2.3			2.50				B7	F	1934
B22	Class B double triode	2.0*	0.22	150	5.0	—	—	0			13.0	1.2		B7	K	1933
B24	Class B double triode	2.0*	0.44	150	7.0	—	—	0			9.0	2.0		B7	K	1933
DD13	Double diode	13.0	0.20	200	0.8	—	—							B5	C	1936
DDT4	Double diode triode	4.0	1.00	200	3.0	—	—	3.0	14.0	2.50				B7	G	1936
DDT13	Double diode triode	13.0	0.20	200	3.0	—	—	3.0	14.0	2.50				B7	G	1936
FC4	Heptode FC	4.0	1.00	250	1.8	70	4.0	1.0	1.5M	0.60^				B7	B	1936
FC13	Heptode FC	13.0	0.20	200	1.8	70	4.0	1.0	1.5M	0.60^				B7	B	1936
H2	RF or detector triode	2.0*	0.10	150	2.5	—	—	1.5	20.0	1.00				B4	A	1932
HF13	Triode	13.0	0.20	200	3.0	—	—	3.0	14.0	2.50				B5	A	1936
HL2	AF or detector triode	2.0*	0.11	150	4.0	—	—	4.0	12.5	1.20				B4	A	1932
LP2	Output triode	2.0*	0.11	150	8.0	—	—	9.0	5.5	1.10	12.0	0.075		B4	A	1932
P2	Output triode	2.0*	0.22	150	12.0	—	—	18.0	2.8	1.40	7.5	0.20		B4	A	1932
PN2	Output pentode	2.0*	0.22	150	6.0	150	0.75	7.5			18.0	0.50		B5	F	1933
PX2	Output triode	2.0*	0.22	150	22.0	—	—	22.0	1.8	1.50	5.0	0.40		B4	A	1932
SG2	RF tetrode	2.0*	0.11	150	2.5	80	0.75		300.0	1.00				B4	B	1932
VHP2	VM RF pentode	2.0*	0.15	150	3.5	60	0.75			1.00				B7	D	1934
VHP13	VM RF pentode	13.0	0.20	200	4.0	100	1.5	1.5		2.00				B7	F	1936
VS2	VM RF tetrode	2.0*	0.11	150	4.5	80	1.2			1.20				B4	B	1933

Type	Description	Filament		Anode		Auxiliary grid		Grid	r _a	g _m / g _c	R _L	P _o	R _K	Base		Year
		Volts	Amps	Volts	mA	Volts	mA	−V	kΩ	mA/V	kΩ	Watts	Ω	Type	Ref.	
CLEARTRON																
C-T.2.S-S-D	Gas-filled detector triode	2.0*	0.13	30-50		—	—							B4	A	1926
C-T.4.S-S-D	Gas-filled detector triode	4.0*	0.10	30-50		—	—							B4	A	1926
C-T.6.S-S-D	Gas-filled detector triode	6.0*	0.10	30-50		—	—							B4	A	1926
C-T.08	General purpose triode	3.0*	0.08	30-120		—	—	0-6	18.0	0.42				B4	A	1925
C-T.08+	AF or output triode	3.0*	0.15	60-120		—	—	5-15	8.0	0.50				B4	A	1926
C-T.10	General-purpose triode	4.0*	0.10			—	—							B4	A	1927
C-T.10+	AF or output triode	4.0*	0.10			—	—							B4	A	1927
C-T.15	General-purpose triode	2.0*	0.15	30-120		—	—		18.0	0.42				B4	A	1925
C-T.15+	AF or output triode	2.0*	0.30	60-120		—	—	4.5-21	5.0	0.70				B4	A	1927
C-T.25	General-purpose triode	5.0*	0.25	30-150		—	—		10.0	0.90				B4	A	1925
C-T.25B	RF or RCC triode	5.0*	0.25	30-200		—	—		20.0	1.00				B4	A	1925
C-T.25+	AF or output triode	5.0*	0.50	60-180		—	—	12-21	4.0	1.25				B4	A	1927
C-T.199	Triode	2.0*				—	—							B4	A	1925
C-T.201A	Triode	5.0*				—	—							UV	A	1925
C-T 210HF	Triode	2.0*	0.10			—	—							B4	A	1929
C-T210LF	AF triode	2.0*	0.10			—	—							B4	A	1929
C-T.215	RF tetrode	2.0*	0.15	90-150		60-90								B4+st	AB	1927
C-T.215H	RCC triode	2.0*	0.15			—	—		100.0	0.45				B4	A	1927
C-T 215P	Output triode	2.0*	0.15	150		—	—							B4	A	1929
C-T 215SG	RF tetrode	2.0*	0.15	90-150		60-100								B4		1929
C-T 410HF	Triode	4.0*	0.10			—	—							B4	A	1929
C-T 410 LF	AF Triode	4.0*	0.10			—	—							B4	A	1929
C-T 610HF	Triode	6.0*	0.10			—	—							B4	A	1929
C-T 610LF	AF triode	6.0*	0.10			—	—							B4	A	1929

Type	Description	Filament		Anode		Auxiliary grid		Grid	r_a	g_m / g_c	R_L	P_o	R_K	Base		Year
		Volts	Amps	Volts	mA	Volts	mA	-V	k Ω	mA/V	k Ω	Watts	Ω	Type	Ref.	
COSMOS																
AC/G	General-purpose triode	4.0	1.00	180		—	—		14.0	2.50				C5	A	1927
AC/P1	Output triode	4.0	1.00	200		—	—		2.0	2.50				C5	A	1928
AC/P2	Output triode	4.0	1.00			—	—		2.0	2.50				C5	A	1928
AC/R	Output triode	4.0	1.00	180		—	—		2.5	4.00				C5	A	1927
AC/S	RF tetrode	4.0	1.00	150					800.0	1.50				C5+tt	B	1928
AC/X	General-purpose triode	4.0	1.00	200		—	—		17.0	0.60				C5	A	1928
DE50	General-purpose triode	6.0*	0.09	30-100		—	—		20.0	0.45				B4	A	1927
DE55	General-purpose triode	6.0*	0.09			—	—		18.0	0.50				B4	A	1926
SP16/B	RCC triode	2.0*	0.09	80-120		—	—		70.0	0.50				B4	A	1928
SP16/G	General-purpose triode	2.0*	0.09	150		—	—		17.0	0.95				B4	A	1928
SP16/R	Output triode	2.0*	0.09	100		—	—		10.0	0.90				B4	A	1927
SP18	AF or output triode	1.8*	0.30	30-120		—	—		8.0	0.88				B4	A	1925
SP18/B	RCC triode	2.0*	0.09	120		—	—		70.0	0.50				B4	A	1926
SP18/G	RF or RCC triode	2.0*	0.30	20-120		—	—		17.0	0.88				B4	A	1925
SP18/R	Output triode	2.0*	0.30	20-120		—	—	0-9	7.5	0.90				B4	A	1925
SP18/RR	Output triode	2.0*	0.30	100		—	—		4.5	1.40				B4	A	1927
SP50/B	RF or RCC triode	6.0*	0.09			—	—		50.0	0.70				B4	A	1927
SP50/R	Output triode	6.0*	0.25	30-120		—	—		4.5	1.70				B4	A	1928
SP55/B	RF or RCC triode	6.0*	0.09	60-120		—	—		55.0	0.64				B4	A	1926
SP55/R	Output triode	6.0*	0.25			—	—		3.5	1.70				B4	A	1926
SP60/B	RCC triode	6.0*	0.09	120		—	—		50.0	0.70				B4	A	1927
SP610/B	General-purpose triode	6.0*	0.10			—	—		24.0	1.50				B4	A	1928
SP610/G	General-purpose triode	6.0*	0.10			—	—		7.5	2.50				B4	A	1928
SP610/RR	Output triode	6.0*	0.10	150		—	—		3.2	2.50				B4	A	1928

Type	Description	Filament		Anode		Auxiliary grid		Grid	r_a	g_m / g_c	R_L	P_o	R_K	Base		Year
		Volts	Amps	Volts	mA	Volts	mA	-V	k Ω	mA/V	k Ω	Watts	Ω	Type	Ref.	
COSSOR																
1A4E	VM RF pentode	1.4*	0.06	150	2.3	67.5		3.0	1M	0.75				USS4	B	1940
1A6E	Heptode FC	1.4*	0.06	mix135 osc135	1.7 2.3	67.5	2.5	3.0	400.0	0.27^				USS6	A	1940
1A7G	Heptode FC	1.4*	0.05	mix 90 osc 90	0.6 1.2	45	0.7	0	600.0	0.25^				IO	CD	1940
1A7VG	Heptode FC	1.4*	0.05	mix 90 osc 90	1.0 0.8	45	0.7	0	420.0	0.23^				IO	CD	1940
1C5G	Output pentode	1.4*	0.10	90	7.8	90	3.5	7.5	115.0	1.55	8.0	0.24		IO	CF	1940
1C6E	Heptode FC	2.0*	0.12	osc135 mix134	1.3 3.1	67.5	2.5	3.0	600.0	0.30^				USS6	A	1940
1H5G	Diode triode	1.4*	0.05	90	0.15	—	—	0	240.0	0.27				IO	CU	1940
1N5G	RF pentode	1.4*	0.05	90	1.2	90	0.3	0	1.5M	0.75				IO	CE	1940
1N5VG	VM RF pentode	1.4*	0.05	90	1.6	90	0.4	0	1M	0.70				IO	CE	1940
2.P	Output triode	2.0*	2.00	250	40.0	—	—	22.0	1150 Ω	7.00	3.0	2.0	550	B4	A	1939
2.XP	Output triode	2.0*	2.00	300	50.0	—	—	36.0	900 Ω	7.00	4.0	3.15		B4	A	1938
4.SH = VR126	Hexode mixer	4.0	1.00	200	7.0	100				0.32^				B7	BC	PW
4.THA	Triode hexode FC	4.0	1.50	h250 t100	3.5 1.5	100	5.5	2.0		0.85^				B7	C	1938
4.TP	Triode & pentode for t/b	4.0	1.40	p150	16.0	150		5.0		4.50				B7	AY	1939
4.TPB	RF pentode for TV	4.0	1.00	250	12.0	150		3.0		8.00				B7	F	1939
4.TSA	Split anode pentode (Sync separator)	4.0	1.00	250	5.0	100		0		1.60				B7	AP	1938
4.TSP	RF pentode for TV	4.0	1.00	250	12.0	150		3.0		8.00				B7	E	1939
4.XP	Output triode (Improved version) (Further improved)	4.0*	0.60	200	35.0	—	—	40.0	1100 Ω	2.75	2.8	1.0		B4	A	1930
		4.0*	0.60	200	45.0	—	—	23.0	1200 Ω	4.00	2.8	1.0				1931
		4.0*	1.00	250	48.0			28.5	900 Ω	7.00	3.0	3.0	600			1935
6A3	Output triode	6.3*	1.00	250	60.0	—	—	45.0	800 Ω	5.25	2.5			USM4	A	1940
6A7E	Heptode FC	6.3	0.30	mix250 osc100	3.5 4.0	100	2.7	3.0	360.0	0.55^				USS7	A	1940
6A8EG	Heptode FC	6.3	0.30	mix250 osc100	2.5 3.8	100	2.7	3.0	360.0	0.55^				IO	A	1940
6B4G	Output triode	6.3*	1.00	250	60.0	—	—	45.0	800 Ω	5.25	2.5			IO	CI	1940
6B7E	Double diode pentode	6.3	0.30	250	9.0	100		3.0	650.0	1.12				USS7	B	1940
6B8EG	Double diode pentode	6.3	0.30	250	10.0	100		3.0	600.0	1.32				IO	Q	1940
6C8	Double triode	6.3	0.30	250	3.2	—	—	0	22.5	1.60				IO	AD	
6D6 = 6U7	VM RF pentode	6.3	0.30	250	8.2	100	2.0	3.0	800.0	1.60				USS6	B	

Type	Description	Filament		Anode		Auxiliary grid		Grid	r_p	g_m / g_c	R_L	P_o	R_K	Base		Year
		Volts	Amps	Volts	mA	Volts	mA	-V	k Ω	mA/V	k Ω	Watts	Ω	Type	Ref.	
COSSOR cont.																
6F6EG	Output pentode	6.3	0.70	250	34.0	250		16.5			7.0			IO	AM	1940
6F7B	Triode pentode FC	6.3	0.30	250		100		3.0		0.30 ^A				USS7	N	1940
6H6G	Double diode	6.3	0.30	117	8.0	—	—	—						IO	BE	1940
6J5G	General-purpose triode	6.3	0.30	250	9.0	—	—	8.0	7.7	2.60			900	IO	V	
6J7G	RF pentode	6.3	0.30	250	2.0	100	0.5	3.0	1.5M	1.25				IO	H	
6K5G	High- μ triode	6.3	0.30	250	1.1	—	—	3.0	50.0	1.40				IO	U	1940
6K6G	Output pentode	6.3	0.40	315	22.5	285	9.0	21.0	75.0	2.10	9.0	4.5		IO	AM	1940
6K7G	VM RF pentode	6.3	0.30	250	10.5	125	2.6	3.0	600.0	1.65				IO	H	1940
6N7G	Class B double triode	6.3	0.80	300	35.0	—	—	0			8.0	10.0		IO	X	1940
6Q7G	Double diode triode	6.3	0.30	250	1.1	—	—	3.0	58.0	1.20				IO	AE	1940
6R7G	Double diode triode	6.3	0.30	250	9.5	—	—	9.0	8.5	1.90				IO	AE	1940
13.DHA	Double diode triode	13.0	0.20	250	1.0	—	—	1.5	83.3	1.50				B7	G	1934
13.PGA	Heptode FC	13.0	0.20	mix250 osc200	1.0 6.0	65 —	3.0 —	1.5		0.75 ^A				B7	B	1934
13.SPA	RF pentode	13.0	0.20	200	5.0	100	1.3		1M	2.50				B7	F	1934
13.VPA	VM RF pentode	13.0	0.20	200	7.0	100	1.7	0/30	800.0	1.80				B7	F	1935
15	RF pentode (IH)	2.0	0.22	135	1.8	67.5		1.5	800.0	1.85				USS5	B	1940
18E	Output pentode	14.0	0.30	250	34.0	250	6.5	16.5	54.0	2.50	7.0	3.2		USM6	H	1940
19	Class B double triode	2.0*	0.24	135	10.0	—	—	0			10.0	2.1		USS6	G	1940
24E	RF tetrode	2.5	1.75	250	4.0	90	1.7	3.0	600.0	1.05				USM5	B	1940
27	Low- μ triode	2.5	1.75	180	5.0	—	—	13.5	9.2	0.97				USS5	A	1940
30	Low- μ triode	2.0*	0.06	135	3.0	—	—	9.0	7.5	1.25				USS4	A	1940
32E	RF tetrode	2.0*	0.06	180	1.7	67.5	0.4	3.0	1.2M	0.65				USM4	B	1940
34E	VM RF pentode	2.0*	0.06	180	2.8	67.5	1.0	3.0	1M	0.62				USM4	B	1940
36E	RF tetrode	6.3	0.30	250	3.2	90	1.7	3.0	550.0	1.08				USS5	B	1940
37	Low- μ triode	6.3	0.30	250	7.5	—	—	18.0	8.4	1.10				USS5	A	1940
38E	Output pentode	6.3	0.30	250	22.0	250	3.8	25.0	100.0	1.20	10.0	2.5		USS5	B	1940
39/44E	VM RF pentode	6.3	0.30	180	5.8	90		3.0	750.0	1.00				USM5	B	1940
40. PPA	Output pentode	40.0	0.20	150	36.0	150	8.0	25.0		4.00	4.0	2.3	600	B7	Z	1934
41E	Output pentode	6.3	0.40	315	25.0	250	4.0	21.0	75.0	2.10	9.0	4.5		USS6	H	1940
41.FP	AF or output triode	4.0	1.00	250	18.0	—	—	18.0	2.5	2.80	8.0	0.9		B5	A	1941
41.MDG	Bi-grid tetrode [†]	4.0	1.00	200					40.0	0.25				B5	L	1932
41.MH	Detector triode	4.0	1.00	200	3.2	—	—	1.5	18.0	4.00				B5	A	1932

Type	Description	Filament		Anode		Auxiliary grid		Grid	r_a	g_m / g_c	R_L	P_o	R_k	Base		Year
		Volts	Amps	Volts	mA	Volts	mA	-V	k Ω	mA/V	k Ω	Watts	Ω	Type	Ref.	
COSSOR cont.																
41.MHF	RF or detector triode (Improved version)	4.0	1.00	180 200	5.4 3.0	— —	— —	3.0 3.0	14.0 14.5	1.80 2.80				B5	A	1929 1931
41.MHL	RF or detector triode	4.0	1.00	200	4.0	—	—	3.0	11.5	4.50				B5	A	1931
41.MLF	AF triode	4.0	1.00	180	8.0	—	—	6.0	7.9	1.90		0.17		B5	A	1929
41.MP	Output triode (IH)	4.0	1.00	180 200	10.6 24.0	— —	— —	9.0 7.5	5.0 2.5	2.00 7.50		0.23 1.0		B5	A	1929 1931
41.MPG	Heptode FC	4.0	1.00	mix250 osc100	1.0 6.0	80 —	3.0 —	1.5		1.20^				B7	B	1934
41.MPT	RF pentode	4.0	1.00	250	12.0	100	2.0	1.5	200.0	4.80				B7	E	1937
41.MRC	RCC or detector triode (Improved version)	4.0	1.00	180 200	2.7 2.7	— —	— —	3.0 2.0	20.0 19.5	1.75 2.50				B5	A	1929 1931
41.MSG	RF tetrode	4.0	1.00	200	0.8	80		1.5	400.0	2.50				B5	B	1930
41.MTA	High μ triode for t/b	4.0	1.00	100	4.9	—	—	0	18.0	4.00				B5	A	1937
41.MTB	Triode for push-pull t/b	4.0	1.00	200	3.4	—	—	1.0		2.60				B5	A	1937
41.MTL	Medium- μ triode	4.0	1.00	200	4.0	—	—	3.0	15.1	3.00				B5	A	1937
41.MTS	Split anode pentode	4.0	1.00	250	5.0	100				1.60				B7	V	1937
41.MXP	Output triode (IH) (Improved version)	4.0	1.00	180 200	38.0 40.0	— —	— —	24.0 12.5	2.0 1.5	2.00 7.50		0.88 1.6		B5	A	1929
41.STH	Triode hexode FC	4.0	1.15	h250 t100	3.0 2.0	100 —	4.0 —	1.5		0.60^				B7	C	1936
42E	Output pentode	6.3	0.70	250	34.0	250	6.5	16.5	80.0	2.50	7.0	3.2	410	USM6	H	1940
42.MP/Pen	Output pentode	4.0	2.00	250	32.0	250	6.0	5.5		7.00	8.0	3.1	140	B7	Z	1934
42.MPT	RF power pentode	4.0	2.00	250	34.0	200		3.0		8.50				B7	E	1937
42.OT	Output beam tetrode	4.0	2.00	250	34.0	250	6.0	5.5		7.00	8.0	3.1	140	B7	Z	1937
42.OT/DD	Double diode and output beam tetrode	4.0	2.00	250	34.0	250	7.0	5.5		7.00	6.5	3.1	130	B7	I	1937
42.PTB	RF power pentode	4.0	2.00	200	34.0	200	6.5	3.0	100.0	8.50				B7	F	1937
42.SPT	Video amplifier pentode	4.0	2.00	250	27.0	250	15.0	15.0		11.00				B7	E	1937
43E	Output pentode	25.0	0.30	160	33.0	120	6.5	18.0	42.0	2.40	5.0	2.2	440	USM6	H	1940
45	Output triode	2.5*	1.50	275	36.0	—	—	56.0	1.7	2.05	4.6	2.0		USM4	A	1940
47E	Output pentode	2.5*	1.75	250	31.0	250	6.0	16.5	60.0	2.50	7.0	2.7	450	USM5	C	1940
64.XP	Output triode	6.0*	4.00	500	120.0	—	—	120.0	0.8	2.50		10.0		B4	A	1929
75	Double diode triode	6.3	0.30	250	0.8	—	—	2.0	91.0	1.10				USS6	D	1940
76	Low- μ triode	6.3	0.30	250	5.0	—	—	13.5	9.5	1.45				USS5	A	1940
77E	RF pentode	6.3	0.30	250	2.3	100		3.0	1.5M	1.25				USS6	B	1940

Type	Description	Filament		Anode		Auxiliary grid		Grid	r _a	g _m / g _c	R _L	P _o	R _K	Base		Year
		Volts	Amps	Volts	mA	Volts	mA	−V	kΩ	mA/V	kΩ	Watts	Ω	Type	Ref.	
COSSOR cont.																
78E	VM RF pentode	6.3	0.30	180	4.0	75		3.0	1M	1.10				USS6	B	1940
79	Class B output triode	6.3	0.60	180	10.6	—	—	0			12.0	4.2		USS6	F	1940
85	Double diode triode	6.3	0.30	250	8.0	—	—	20.0	7.5	1.10				USS6	D	1940
116/Pen (ARP22)	Output pentode	11.5	0.65	250	40.0	250	10.0			7.00				B7	Q	WW2
202.DDT	Double diode triode	20.0	0.20	200	3.0	—	—	3.0	17.0	2.40				B7	E	1936
202.MPG •	Heptode FC	20.0	0.20	mix200 osc100	2.5 3.0	100 —	3.0 —	1.5		1.50^				B7	B	1936
202.SPB	RF pentode	20.0	0.20	250	4.8	100	1.3	1.5	800.0	2.89				B7	F	1938
202.STH	Triode hexode FC	20.0	0.20	h250 t100	3.0 2.0	100 —	4.0 —	1.5		0.60^				B7	C	1937
202.VP	VM RF pentode	20.0	0.20	250	4.3	100	1.3	1.5	600.0	2.20				B7	E	1938
202.VPB	VM RF pentode	20.0	0.20	250	4.3	100	1.3	1.5	600.0	2.20				B7	F	1938
203.THA	Triode hexode FC	20.0	0.30	h250 t100	3.5 1.5	100 —	5.5 —	2.0		0.85^				B7	C	1938
206.PT	AF pentode (deaf aid)	2.0*	0.06	35	3.35	35		0		0.80				None		1938
(210.D) = (210) Det & LF (black band)	Detector or AF triode	1.8*	0.10	100 120 120		— — —	— — —		22.0 22.0 12.0	0.41 0.80				B4	A	1926 1927 1928
210.DDT	Double diode triode	2.0*	0.10	85	0.35	—	—	1.5	58.5	0.48				B5	E	1938
210.Det (New Process)	Detector triode	2.0*	0.10	150	3.0	—	—	4.5	13.0	1.15				B4	A	1930
210.DG	Bi-grid tetrode [†]	2.0*	0.10	100		LT+		0	27.0	0.19				B5	L	1931
(210.H) = (210) HF (red band)	RF or RCC triode	1.8*	0.10	120 120 120		— — —	— — —		44.0 44.0 25.0	0.50 0.50 0.65				B4	A	1926 1927 1928
210.HF (New Process)	General purpose triode	2.0*	0.10	150 150	2.3 1.6	— —	— —	3.0 3.0	20.0 15.8	1.00 1.50				B4	A	1929 1931
210 HF & Det	See (210) HF															
210.HL (New Process)	RF or detector triode	2.0*	0.10	120		—	—		22.0	1.10				B4	A	1931
210.LF (New Process)	AF triode	2.0*	0.10	150 150	5.5 4.8	— —	— —	4.5 4.5	12.0 10.0	0.83 1.40				B4	A	1929 1931
210.PG = 210.SPG	Heptode FC	2.0*	0.10	mix150 osc150	0.4 1.1	40 —	0.8 —	0		0.45^ 1.20				B7	A	1934
210.PGA	Heptode FC	2.0*	0.10	mix120 osc120	0.4 1.1	40	0.8	0		0.45^				B7	A	1938

Type	Description	Filament		Anode		Auxiliary grid		Grid	r_a	g_m / g_c	R_L	P_o	R_K	Base		Year
		Volts	Amps	Volts	mA	Volts	mA	-V	k Ω	mA/V	k Ω	Watts	Ω	Type	Ref.	
COSSOR cont.																
(210).RC (blue band)	RCC or detector triode	1.8*	0.10	120 120		— —	— —		70.0 60.0	0.57 0.60				B4	A	1927 1928
210.RC (New Process)	RCC or detector triode	2.0*	0.10	150	1.3	—	—	1.5	50.0	0.80				B4	A	1929
210.SG	RF tetrode	2.0*	0.10	120					250.0	0.30				B4	B	1928
210.SPG	Heptode FC	2.0*	0.10	mix150 osc150	0.4 1.1	40 —	0.8 —	0		0.45^				B7	A	1936
210.SPT	RF pentode	2.0*	0.10	150	1.3	80			600.0	1.30				B4 B7	B D	1934 1934
210.VPA	VM RF pentode	2.0*	0.10	120	2.0	70	0.7	1.5/17	1.5M	0.88				B7	D	1938
210.VPT	VM RF pentode	2.0*	0.10	120	2.9	60	0.75	0/9	600.0	1.10				B4 B7	B D	1934 1934
(215.P) Stentor 2 (green band)	Output triode	1.8*	0.15	110		—	—		8.0	0.80				B4	A	1927
215.P (New Process)	Output triode	2.0*	0.15	150	10.0	—	—	7.5	4.0	2.25	9.0	0.14		B4	A	1930
215.SG	RF tetrode	2.0*	0.15	150	2.5	80			300.0	1.10				B4	B	1930
220.B	Class B double triode	2.0*	0.22	120	6.0	—	—	0			12.0	1.25		B7	K	1933
220.DD	Double diode	2.0*	0.20	20	1.0	—	—							B5	C	1934
220.HPT	Output pentode	2.0*	0.20	150	8.0	150	1.5	4.5		2.50	17.0	0.50		B4+st B5	U F	1932 1933
220.IPT =CV1333	RF pentode (IH)	2.0	0.20	120	2.2	60	0.5	1.5	400.0	1.00				B7	BA	1938
220.LF (AR15)	Output triode (IH)	2.0	0.21	100	7.5	—	—	0	1.2	1.70				B5	A	1942
220.OT	Output beam tetrode	2.0*	0.20	150	9.5	150	2.0	4.5		2.50	20.0	0.5		B5	F	1937
(220.P) Stentor 2 (green band)	Output triode	1.8*	0.20	110		—	—		5.0	1.00				B4	A	1928
220.P (New Process)	Output triode	2.0*	0.20	150	11.0	—	—	9.0	4.0	2.00	9.0	0.17		B4	A	1929
220.PA	Output triode	2.0*	0.20	150	10.0	—	—	4.5	4.0	4.00	9.0	0.18		B4	A	1931
220.PT	Output pentode	2.0*	0.20	150	19.0	150	4.0	9.0		2.50	7.5	1.0		B4+st B5	U F	1932 1933
220.RC (AR14)	Triode (IH)	2.0	0.21	100	2.5	—	—	0	37.0	1.35				B5	A	1942
220.SG	RF tetrode	2.0*	0.20	150	3.1	80			200.0	1.60				B4	B	1928
220.TH	Triode heptode FC	2.0*	0.20	h120 t100	0.6 1.7	60 —	1.7 —	0		0.25^				B7	AK	1938
220.VPT (ARP24)	VM RF pentode (IH)	2.0	0.21	150	4.0	60		0		1.00				B7	AR	1942

Type	Description	Filament		Anode		Auxiliary grid		Grid	r_a	g_m / g_c	R_L	P_o	R_k	Base		Year
		Volts	Amps	Volts	mA	Volts	mA	-V	k Ω	mA/V	k Ω	Watts	Ω	Type	Ref.	
COSSOR cont.																
220.VS	VM RF tetrode	2.0*	0.20	150	1.6	80		0	400.0	1.60				B4	B	1933
220.VSG	VM RF tetrode	2.0*	0.20	150	2.6	80		0	110.0	1.60				B4	B	1931
230 (later 230 PT)	Output pentode	2.0*	0.30	180					20.0	2.00				B4+st	Z	1928
230.HPT	Output pentode	2.0*	0.30	150	10.5	150	1.0	12.0		1.80				B4+st B5	Z F	1931 1933
230.P	Output triode	2.0*	0.30	110		—	—		4.0	1.00				B4	A	1928
230.PT	Output pentode	2.0*	0.30	180 150	14.0 19.0	120 150	1.6 4.0	9.0 9.0	20.0	2.00	11.0 7.5	0.40		B4+st B5	Z F	1929 1933
230.XP	Output triode	2.0*	0.30	150	22.0	—	—	18.0	1.5	3.00	3.5	0.45		B4	A	1929
240.B	Class B double triode	2.0*	0.40	150	8.5	—	—	0			8.0	2.0		B7	K	1933
240.QP	Double output pentode	2.0*	0.40	150	3.0	150	0.7	12.0			24.0	1.25		B7	L	1937
302.THA	Triode hexode FC	30.0	0.20	h250 t100	3.5 1.5	100 —	5.5 —	2.0		0.85^				B7	C	1940
402.OT	Output tetrode	40.0	0.20	250	32.0	250	7.8	12.0		7.00	8.0	2.5	310	B7	Q	1937
402.P	Output triode	40.0	0.20	200	40.0	—	—	12.5	1.3	7.50	2.5	1.6	320	B7	Y	1936
402.Pen	Output pentode	40.0	0.20	200	40.0	200		6.7		7.00	5.5	3.1	137	B7	Q	1936
402.Pen/A	Output pentode	40.0	0.20	150	56.0	150	11.0	9.0		8.00	2.5	3.0	130	B7	Q	1938
(410.H) = (410) HF & Det (red band)	RF or detector triode	4.0*	0.10	120 120 150	 1.5	— — —	— — —	 4.5	20.0 20.0	1.00 1.00				B4	A	1927 1927 1928
410.HF (New Process)	General purpose triode	4.0*	0.10	150 150	1.5 1.5	— —	— —	4.5 3.0	20.0 20.0	1.00 1.10				B4	A	1929 1931
(410).LF (black band)	AF triode	4.0*	0.10	120 150	 4.5	— —	— —	 3.0	10.0 10.0	1.00 1.70				B4	A	1927 1929
410.LF (New Process)	AF triode	4.0*	0.10	150 150	6.0 4.8	— —	— —	3.0 4.5	8.5 10.0	1.76 1.70		0.06		B4	A	1929 1931
(410.P) Stentor 4 (green band)	Output triode	4.0*	0.10	120 150	 11.0	— —	— —	 9.0	5.0 4.0	1.00 2.00	9.0	0.17		B4	A	1927 1930
410.P (New Process)	Output triode	4.0*	0.10	150	11.0	—	—	9.0	4.0	2.00	9.0	0.17		B4	A	1929
410.PT	Output pentode	4.0*	0.10	150	17.0	150	3.0	9.0		2.00	7.5	0.9		B5	F	1932
(410).RC (blue band)	RCC or detector triode	4.0*	0.10	120		—	—		80.0	0.50				B4	A	1927 1931
410.RC (New Process)	RCC or detector triode	4.0*	0.10	150 150	1.2 0.75	— —	— —	1.5 1.5	60.0 50.0	0.66 0.80				B4	A	1929 1931
410.SG	RF tetrode	4.0*	0.10	120	2.5	60			200.0	1.00				B4	B	1928
415 (later 415 PT)	Output pentode	4.0*	0.15	180					20.0	2.00				B5	F	1928

Type	Description	Filament		Anode		Auxiliary grid		Grid	r _a	g _m /g _c	R _L	P _o	R _k	Base		Year
		Volts	Amps	Volts	mA	Volts	mA	−V	kΩ	Ω	kΩ	Watts	Ω	Type	Ref.	
COSSOR cont.																
415.PT	Output pentode	4.0*	0.15	150	14.0	150	2.7	15.0	20.0	2.00	11.0	0.40		B5	F	1929
415.XP	Output triode	4.0*	0.15	150	20.0	—	—	22.5	2.0	2.00	3.5	0.45		B4	A	1929
				150	22.0	—	—	18.0	1.5	3.00	3.5	0.45				1930
425.XP	Output triode	4.0*	0.25	150	11.0	—	—	13.5	2.0	3.5	5.0	0.33		B4	A	1930
600.T	Output triode	6.0*	1.00	400	110.0	—	—	80.0	1.4	2.30				B4	A	1929
610.FP	Output triode	6.0*	0.10	120		—	—		6.5	0.80				B4	A	1928
(610).HF & Det (red band)	General purpose triode	6.0*	0.10	120		—	—		20.0	1.00				B4	A	1927
610.HF (New Process)	General purpose triode	6.0*	0.10	150	2.8	—	—	3.0	20.0	1.00				B4	A	1929
610).LF (black band)	AF triode	6.0*	0.10	120		—	—		8.0	1.00				B4	A	1927 1929
610.LF (New Process)	AF triode	6.0*	0.10	150	6.2	—	—	3.0	7.5	2.00		0.07		B4	A	1929
(610).P Stentor 6 (green band)	Output triode	6.0*	0.10	150		—	—		3.0	1.10				B4	A	1927 1930
610.P (New Process)	Output triode	6.0*	0.10	150	11.0	—	—	7.5	3.5	2.28	3.5	0.15		B4	A	1929
				150	11.0	—	—	7.5	3.5	2.30	3.0	0.15				1931
(610).RC (blue band)	RCC or detector triode	6.0*	0.10	120		—	—		80.0	0.6				B4	A	1927
						—	—									
610.RC (New Process)	RCC or detector triode	6.0*	0.10	150		—	—		60.0	0.80				B4	A	1929
				150	0.75	—	—	1.5	50.0	0.80						1931
610.SG	RF tetrode	6.0*	0.10	150	2.5	60			200.0	1.00				B4	B	1929
610.XP	Output triode	6.0*	0.10	150	23.0	—	—	15.0	2.0	2.50	4.5	0.4		B4	A	1929
615.PT	Output pentode	6.0*	0.15	150	17.0	150	3.0	11.0	20.0	2.00	10.0	0.38		B4+st B5	Z F	1930
620.T	Output triode (Improved version)	6.0*	1.60	400	50.0	—	—	70.0	1.4	2.30	3.3	4.0		B4	A	1930
		6.0*	2.00	400	62.5	—	—	95.0	1.3	2.30	4.0	5.0				1933
625.P	Output triode	6.0*	0.25	200	25.0	—	—	12.0	2.5	2.80	6.0	0.65		B4	A	1929
660.T	Output triode (Improved version)	6.0*	4.00	500	120.0	—	—	120.0	0.9	2.40	2.4	11.0		L4	A	1930
		6.0*	4.50	500	120.0	—	—	120.0	0.9	2.50	2.4	11.0				1931
680.HF	AF triode	6.0*	0.80	400	7.5	—	—	6.0	20.0	1.25				B4	A	1929
680.P	Output triode	6.0*	0.80	400	25.0	—	—	40.0	6.0	0.90	12.0	1.0		B4	A	1929
680.XP	Output triode	6.0*	0.80	400	25.0	—	—	125.0	2.75	1.10	5.7	2.5		B4	A	1929
2101	Output pentode	2.0*	0.12	135	8.0	135	2.6	4.5	200.0	1.70	16.0	0.45		USS5	C	1940
2102	Double diode triode	2.0*	0.12	100	2.5	—	—	0	23.0	1.30				USS6	C	1940

Type	Description	Filament		Anode		Auxiliary grid		Grid	r _a	g _m /g _c	R _L	P _o	R _k	Base		Year
		Volts	Amps	Volts	mA	Volts	mA	−V	kΩ	mA/V	kΩ	Watts	Ω	Type	Ref.	
COSSOR cont.																
2103	Double output pentode	2.0*	0.26	135	4.0	135	1.2	7.5		1.60	24.0	0.6		USS7	H	1940
2151	Output pentode	14.0	0.30	250	47.0	250	11.6	31.0	50.0	2.40	5.0	5.0	500	USS6	H	1940
DD4	Double diode	4.0	0.75	100	10.0	—	—	—						B5	C	1934
DDL4	Double diode	4.0	0.75	100	10.0	—	—	—						B5	C	1937
DD/Pen	Double diode pentode	4.0	1.00	250	7.0	200	2.0	1.5		2.70				B7	AC	1933
DDT	Double diode triode	4.0	1.00	200	3.4	—	—	3.0	17.0	2.40				B7	G	1933
DDT16	Double diode triode	16.0	0.25	200	4.0	—	—	3.5	16.0	2.50				B7	G	1933
DHL	Medium-μ triode	16.0	0.25	200	5.0	—	—	2.0	13.0	4.50				B5	A	1933
DP	Output triode	16.0	0.25	200	25.0	—	—	7.5	2.8	6.00	3.5	1.25		B5	A	1933
DP/Pen	Output pentode	16.0	0.25	250	30.0	250	6.0	10.0			10.0	3.0		B5+st B7	Q Z	1933 1933
DS/Pen	RF pentode	16.0	0.25	200	4.7	100	1.7			2.30				B5+st	Q	1933
DVSG	VM detector tetrode	16.0	0.25	200	7.5	80		1.5	200.0	2.50				B5	B	1933
DVS/Pen	VM RF pentode	16.0	0.25	200	5.0	100	1.7	1.5		2.00				B5+st	Q	1933
M41.HF	RF triode	4.0	1.00	120		—	—		20.0	1.00				B4+2tt	V	1927
M41.LF	Detector or AF triode	4.0	1.00	120		—	—		8.0	1.00				B4+2tt	V	1927
M41.P	Output triode	4.0	1.00	120		—	—		6.5	0.80				B4+2tt	V	1927
M41.RC	RCC triode	4.0	1.00	120		—	—		80.0	0.60				B4+2tt	V	1927
M41.SP	Output triode	4.0	1.00	120		—	—		3.0	1.10				B4+2tt	V	1927
M61.HF	RF triode	6.0	1.00	120		—	—		20.0	1.00				B4+2tt	V	1927
M61.LF	Detector or AF triode	6.0	1.00	80		—	—		8.0	1.00				B4+2tt	V	1927
MP/Pen	Output pentode	4.0	1.00	250 250	30.0 30.0	200 250	9.0 6.0	12.0 16.0		4.00 3.50	10.0 10.0	2.0 3.5		B5+st B7	Q Z	1931 1933
MSG.41	RF tetrode	4.0	1.00	150	3.8	60			200.0	2.00				B5	B	1929
MSG/HA	RF tetrode	4.0	1.00	200	2.1	80			500.0	2.00				B5	B	1931
MSG/LA	RF tetrode	4.0	1.00	200	5.2	80			200.0	3.75				B5	B	1931
MS/Pen	RF pentode	4.0	1.00	200	4.7	100	1.3	1.5	800.0	2.80				B5 B7	B E	1933 1933
MS/PenA	RF pentode	4.0	1.00	200	9.0	150	5.0	2.5	90.0	4.00				B5 B7	B F	1931 1936
MS/PenB	RF pentode	4.0	1.00	200	4.8	100	1.3	1.5	800.0	2.80				B7	F	1937
MS/PenT	= MS/Pen															
MVSG	VM RF tetrode	4.0	1.00	200	7.8	80		1.5	200.0	2.50				B5	B	1932
MVS/Pen	VM RF pentode	4.0	1.00	250	5.1	125	1.2	2/18	625.0	2.30				B5 B7	B E	1933 1933
MVS/PenB	VM RF pentode	4.0	1.00	250	5.1	125	1.2	2/18	625.0	2.30				B7	F	1937

Type	Description	Filament		Anode		Auxiliary grid		Grid	r _a	g _m / g _c	R _L	P _o	R _k	Base		Year
		Volts	Amps	Volts	mA	Volts	mA	−V	kΩ	mA/V	kΩ	Watts	Ω	Type	Ref.	
COSSOR cont																
OM3 = EB34	Double diode	6.3	0.20			—	—							IO	BE	1940
OM4 = EBC33	Double diode triode	6.3	0.20	185	1.8	—	—	5.0	50.0	1.20				IO	AE	1940
OM5 = EF36	RF pentode	6.3	0.20	250	3.0	100	0.8	2.0	2.5M	1.80				IO	H	1940
OM5A = EF37	RF pentode	6.3	0.20	250	3.0	100	0.8	2.0	2.5M	1.80				IO	H	
OM5B =EF37A	RF pentode	6.3	0.20	250	3.0	100	0.8	2.0	2.5M	1.80				IO	H	
OM5C	As OM5B but suitable for DC amplifiers	6.0	0.30	250	3.0	100	0.8	2.0	2.5M	1.80				IO	H	
OM6 = EF39	VM RF pentode	6.3	0.20	250	6.0	100	1.8	2.5	1M	2.00				IO	H	1940
OM8 = EK32	Octode FC	6.3	0.20	mix250 osc200	1.0 2.5	50	0.8	2.0	2M	0.55^				IO	A	1940
OM9 = EL32	Output pentode	6.3	0.20	250	32.0	250	5.0	18.0	70.0	2.80	8.0	3.6		IO	I	1940
OM10 = ECH33	Triode hexode FC	6.3	0.20	h250 t70	2.7 3.0	100	3.8	2.0	600.0	0.70^				IO	C	1940
Point One HF, LF, and RC	See (210), (410), (610) HF, LF and RC					—	—									
Point One Plain Top	Detector or AF amp. triode (see 210D)	1.8*	0.10	120		—	—		22.0	0.41				B4	A	1926
Point One Red Top	RF or RCC amp. triode (see 210H)	1.8*	0.10	120		—	—		42.0	0.31				B4	A	1926
PT.10	Output pentode	4.0	2.00	250	40.0	250	8.0	7.5		9.00	5.0	4.2	160	B7	Z	1940
PT.41	Output pentode (DH)	4.0*	1.00	250	30.0	200	6.0	12.5		3.00	8.0	2.6	350	B4+st B5	Z F	1932 1935
PT.41B	Output pentode (DH)	4.0*	1.00	400	30.0	300	6.0	40.0		2.25	8.0	3.6	120	B4+st B5	Z F	1932 1935
S.G.210	RF tetrode	2.0*	0.10	90-150		80			250.0	0.30				B3+B2	A	1927
S.G.215	See 215.SG															
S.G.220	RF tetrode	2.0*	0.20	120		80			200.0	1.00				B4+tt	B	1927
S.G.410	RF tetrode	4.0*	0.10	120					200.0	1.00				B3+B2	A	1927
S.G.610	RF tetrode	6.0*	0.10											B3+B2	A	1927
Stentor Two (green top)	See (215.P)	1.8*	0.15	150		—	—		8.0	0.67				B4	A	1926
Stentor Two (green band)	See (215.P) See (220.P)	1.8* 2.0*	0.15 0.20			—	—							B4	A	1927 1928
Stentor Four	See (410.P)	4.0*	0.10			—	—							B4	A	1927
Stentor Six	See (610.P)	6.0*	0.10			—	—							B4	A	1927

† For these two bi-grid valves, 210DG and 41MDG, Grid is the outer grid and Auxiliary Grid is the inner grid.

Type	Description	Filament		Anode		Auxiliary grid		Grid	r _a	g _m /g _c	R _L	P _o	R _K	Base		Year
		Volts	Amps	Volts	mA	Volts	mA	−V	kΩ	mA/V	kΩ	Watts	Ω	Type	Ref.	
DARIO																
AC Mag Power = R.3880	Output triode	4.0*	0.30	200	20.0	—	—	19.0	2.2	3.80				B4	A	1930
AC Polyodion	Output pentode (See also TE634A)	4.0	1.00	250	24.0	250	7.0	15.0		3.50	8.0	2.0		B5	F	1932
AC Screenodion = I.4091	RF tetrode (See also TE424)	4.0	1.00	200	1.5	100			600.0	1.00				B5	B	1930
AC Super Det = I.4076	Detector triode (See also TE244N)	4.0	1.00	150	8.0	—	—	6.0	7.5	2.00				B5	A	1930
AC Super H F = I.4078	General purpose triode (See also TE384)	4.0	1.00	200	3.0	—	—	2.0	20.0	2.00				B5	A	1930
AC Super Power	Output triode (See also TE094)	4.0	1.00	200	14.0	—	—	12.0	3.0	3.00	7.0	0.6		B5	A	1932
AC Super Screen	RF tetrode (See TE524T	4.0	1.00	200	3.0	100			300.0	3.00				B5	B	1932
AC VM Screen A	VM RF tetrode (See also TE554)	4.0	1.00	200	3.0	100		2/40		1.00				B5	B	1932
AC VM Screen B	VM RF tetrode	4.0	1.00	200	4.0	100		2/40		2.40				B5	B	1932
BBC12	Double diode triode	2.0*	0.10	150	2.5	—	—	2.0	10.5	1.50				B5	E	1936
BH12	Hexode mixer	2.0*	0.135	135	2.0	60		1.5		1.40				B7	AD	1938
BK22	Octode FC	2.0*	0.14	135	0.6	45	2.5	0/12	2.5M	0.25^				B7	A	1936
BLL32	Double output pentode	2.0*	0.45	135	2.5	135		10.5		4.00	15.5	1.9		B9	D	1938
DC Polyodion	Output pentode	20.0	0.18	200	20.0	200	6.0	18.0		2.50	8.0	2.0		B5	F	1932
DC Screenodion	RF tetrode	20.0	0.18	200	4.0	60			360.0	1.10				B5	B	1932
DC Super Det	Detector triode	20.0	0.18	200	6.0	—	—	3.0	11.0	3.50				B5	A	1932
DC Super Power	Output triode	20.0	0.18	200	15.0	—	—	18.0	2.4	2.50	7.0	0.6		B5	A	1933
Detector	Detector triode	2.0*	0.10	150	2.00	—	—	1.5	25.0	1.00				B4	A	1932
Hyper Power Bivolt	Output triode	1.8*	0.30	200	18.0	—	—	20.0	2.2	2.30				B4	A	1929 1931
		2.0*	0.30	200		—	—	18.0	2.4	3.00	5.0	0.50				
Hyper Power Forvolt	Output triode	3.5*	0.15	200	18.0	—	—	20.0	2.2	2.30				B4	A	1929 1931
		4.0*	0.15	200	22.0	—	—	18.0	2.4	3.00		0.50				
Pentodion (2V)	Output pentode	1.8*	0.30											B4+st	Z	1929
Pentodion (4V)	Output pentode	3.5*	0.15											B4+st	Z	1929
PB172	Triode	2.0*	0.10	150	4.5	—	—	3.0	13.0	1.30				B4	A	
PF462	RF pentode	2.0*	0.18	150	3.0	150	1.0		600.0	1.85				B7	D	1935
PF472	VM RF pentode	2.0*	0.18	150	2.5	150	0.5	0.5/16	500.0	1.70				B7	D	1935
Polyodion	Output pentode	2.0*	0.20	150	15.0	150	4.0	10.0		1.50	11.0	0.40		B5	F	1932
Resistron Bivolt	RCC amplifier triode	1.8*	0.10	160	0.25	—	—	1.5	60.0	0.50				B4	A	1928
Resistron Forvolt	RCC amplifier triode	3.5*	0.075	160	0.25	—	—	1.5	60.0	0.50				B4	A	1928

Type	Description	Filament		Anode		Auxiliary grid		Grid	r_a	g_m / g_c	R_L	P_o	R_K	Base		Year
		Volts	Amps	Volts	mA	Volts	mA	-V	k Ω	mA/V	k Ω	Watts	Ω	Type	Ref.	
DARIO cont.																
Screenodion (2v)	RF tetrode	1.8*	0.15	200	2.0	80			250.0	1.00				B4	B	1930
Screenodion (4v)	RF tetrode	3.5*	0.075	200	2.0	80			250.0	1.00				B4	A	1930
Super Detector Bivolt	Detector or AF triode	1.8*	0.15	200	3.0	—	—	4.5	7.5	2.00				B4	A	1930
		2.0*	0.15	150	3.5	—	—	6.0	7.5	2.00						
Super Detector Forvolt	Detector or AF triode	3.5*	0.075	200	3.0	—	—	4.5	7.5	2.00				B4	A	1930
		4.0*	0.15	150	3.5	—	—	6.0	7.5	2.00						
Super HF Bivolt	General purpose triode	1.8*	0.15	200	2.0	—	—	3.0	21.0	1.20				B4	A	1928
Super HF Forvolt	General purpose triode	3.5*	0.075	200	2.0	—	—	3.0	21.0	1.20				B4	A	1930
Super Power (2V)	Output triode	1.8*	0.18	150	7.0	—	—	4-15	4.5	2.00				B4	A	1930
Super Power (4V)	Output triode	3.5*	0.10	150	7.0	—	—	4-15	4.5	2.00				B4	A	1930
TB13	Double diode	13.0	0.20	75	0.8	—	—							B5	C	1934
TB24	Double diode	4.0	0.65	200	0.8	—	—							B5	C	1935
TB032	Output triode	2.0*	0.20	150	12.0	—	—	30.0	2.0	1.50	6.0	0.45		B4	A	1934
TB032A	Output triode	2.0*	0.18	150	12.0	—	—	15.0	3.0	2.00	7.0	0.25		B4	A	1933
TB052	Output triode	2.0*	0.15	150	7.0	—	—	18.0	4.2	1.20	10.0	0.20		B4	A	1934
TB062	Output triode	2.0*	0.18	150	13.0	—	—	10.5	3.0	2.00	3.5	0.35		B4	A	1934
		2.0*	0.33	150	13.0	—	—	10.5	3.0	2.00	8.0	0.55				
TB102	General purpose triode	2.0*	0.10	150	5.0	—	—	6.0	8.0	1.25				B4	A	1934
TB122	AF triode	2.0*	0.20	135	5.0	—	—	6.0	6.0	2.00				B4	A	1933
TB172	Detector triode	2.0*	0.10	150	4.5	—	—	3.0	12.0	1.40				B4	A	1933
TB213	Double diode	13.0	0.20			—	—							B5	C	
TB282	Detector or AF triode	2.0*	0.10	150	2.0	—	—	2.0	22.0	1.30				B4	A	1933
TB402	Class B double triode	2.0*	0.20	150	3.0	—	—	0	14.0		14.5	1.5		B7	K	1934
TB422	RF tetrode	2.0*	0.15	150	2.8	90		0	330.0	1.50				B4	B	1933
TB452	VM RF tetrode	2.0*	0.15	150	2.0	70	0.4	0	200.0	1.50				B4	B	1933
TB552	VM RF tetrode	2.0*	0.15	150	1.8	75		0/9	350.0	1.50				B4	B	1938
TB622	RF tetrode	2.0*	0.18	150	2.0	90	0.5	0.5	350.0	1.40				B4	B	1935
TB4313	Output pentode	13.0	0.20	250	2.0	250	2.0	23.0	80.0	1.90				Ct8	D	
TB4320M TB4320P	Output pentode	24.0	0.20	200	40.0	100	5.0	19.0	23.0	3.10	7.0	3.5	400	B7 Ct8	Z D	1936 1936
TB4613	RF pentode	13.0	0.20	200	3.0	100	1.2		1.33M	2.20				Ct8	Q	1934
TB4620	RF pentode	20.0	0.18	200	3.0	100	1.2	2.0	2.1M	2.20				B5	B	1937
TB4720	VM RF pentode	20.0	0.18	200	4.0	100	1.7	2/50	1.1M	2.00				B5	B	1937
TB5013M TB5013P	Octode FC	13.0	0.20	200	1.6	70		1.5/25	1.5M	0.6^				B7 Ct8	B B	1937 1937

Type	Description	Filament		Anode		Auxiliary grid		Grid	r _a	g _m / g _c	R _L	P _O	R _K	Base		Year
		Volts	Amps	Volts	mA	Volts	mA	~V	kΩ	mA/V	kΩ	Watts	Ω	Type	Ref.	
DARIO cont.																
TB5613M TF65613P	VM RF pentode	13.0	0.20	200	4.5	100		2/22	1M	2.20				B7 Ct8	F Q	1934
TB8013	Triode	13.0	0.20	200	6.0	—	—	4.0	12.0	2.50				Ct8	C	
TB9920	Triode	20.0	0.18	200	0.2	—	—	1.5	30.0	3.00				B5	A	1937
TBC14	Double diode triode	4.0	0.65	250	4.0	—	—	7.0	13.5	2.00				B7	G	1936
TBC113M TBC113P	Double diode triode	13.0	0.20	250	4.0	—	—	5.0	13.0	2.00				B7 Ct8	G G	1936
TBC5013	Octode FC	13.0	0.20	200	0.8	70	3.0	1.5	1.5M	0.60^				B7	B	1936
TBL14	Double diode output pentode	4.0	2.25	250	36.0	250				9.50				B7	X	1938
TBL44	Double diode output pentode	4.0	2.25	250	32.0	250	4.5	6.0		9.50	7.0	4.0	150	B7	X	1938
TBL226	Output pentode	24.0	0.18	200	40.0	200		19.0		8.00				B5	G	
TC113	Triode	13.0	0.20	200	5.0	—	—	3.7		3.30				B7	Y	
TC432	Output pentode	2.0*	0.20	150	9.5	150	2.0	4.5	75.0	2.40	15.0	0.42		B4+st B5	Z F	1934 1934
TC432N	Output pentode	2.0*	0.20	150	15.0	150	4.0	10.0			11.0	0.4		B5	F	1933
TC434	Output pentode (a.c.)	4.0*	0.25	300	22.0	200	4.5	25.0	35.0	1.70	15.0	2.8		B5	F	1934
TCH24	Triode hexode FC	4.0	1.45	250	3.5	100	7.0	2.5/25	2M	0.75^				B7	C	1938
TCH229	Triode hexode FC	21.0	0.20	250	4.0	70		1.5		1.20^				B7	C	
TCH432	Output pentode	2.0*	0.30	150	15.0	150	4.0	10.0			9.0	0.6		B4+st B5	Z F	1934 1934
TD044	Output triode	4.0*	0.65	250	40.0	—	—	40.0	1.3	2.70			1000	B4	A	1938
TD24	Output triode	4.0*	1.00	300	48.0	—	—	38.0	1.2	5.00				B4	A	
TE4	Double diode	4.0	0.65	70	0.8	—	—							B5	C	1934
TE094	Output triode (IH)	4.0	1.00	200	12.0	—	—	16.0	7.0	1.30	7.0	0.6	850	B5	A	1933
TE24	Detector triode	4.0	1.00	200	6.0	—	—	3.5	10.0	2.40				B5	A	1934
TE244N	Detector triode	4.0	1.00	200	6.0	—	—	6.0	7.5	3.20				B5	A	1933
TE384	Detector or AF triode	4.0	1.00	200	1.5	—	—	2.5	25.0	1.50				B5	A	1933
TE424	RF tetrode	4.0	1.00	200	1.5	100	0.6	1.3	800.0	0.90				B5	B	1933
TE434	Output pentode	4.0*	1.10	250	36.0	250	7.0	14.0	43.0	3.50	8.0	3.4	325	B5	F	1934
TE444	Single diode RF tetrode	4.0	1.10	200	0.35	33	0.25	2.3	2.5M	3.00				B7	H	1934
TE464	RF pentode	4.0	1.10	200 200	3.0 3.0	100 100	1.5 1.5	2.0 2.0	2M 2.2M	2.50 2.30				B5 B7	B E	1934 1935
TE474	VM RF pentode	4.0	1.10	200 200	4.5 4.5	100 100	2.0 2.0	1.5/30 1.5/30	1M 1M	2.00 2.30				B5 B7	B E	1934 1935

Type	Description	Filament		Anode		Auxiliary grid		Grid	r_a	g_m/g_c	R_L	P_o	R_K	Base		Year
		Volts	Amps	Volts	mA	Volts	mA	−V	kΩ	mA/V	kΩ	Watts	Ω	Type	Ref.	
DARIO cont																
TE504	Octode FC	4.0	0.65	mix250 osc90	4.5 4.5	90	2.0	1.5	1.5M 5.0	0.65^ 2.20				B7	B	1934
TE524	RF tetrode	4.0	1.00	200	3.0	100	1.0	2.0	450.0	2.00				B5	B	1935
TE524T	RF tetrode	4.0	1.00	200	3.0	100			300.0	3.00				B5	B	1933
TE534	Output pentode	4.0	1.10	250	24.0	250	7.0	15.0	70.0	2.50	10.0	2.5	500	B5+st B7	Q Z	1934 1936
TE554	VM RF tetrode	4.0	1.00	200	3.0	100	1.0	1.5/40	300.0	2.00				B5	B	1933
TE564	VM RF pentode	4.0	1.20	200	4.25	100	2.0	2/22	1.4M	2.50				B5 B7	B E	1934
TE634	Output pentode	4.0	1.35	250	36.0	250	9.0	22.0	37.0	2.70	8.0	3.4	500	B7	Z	1934
TE634A	Output pentode	4.0	1.00	250	24.0	250	7.0	15.0			8.0	2.0	500	B5+st	Q	1933
TE994	Detector or AF triode	4.0	1.00	200	1.0	—	—	1.6	25.0	4.00				B5	A	1934
TE4313	Output pentode	13.0	0.20	200	25.0	100	5.5	14.0			10.0	2.0	470	Ct8	D	1934
TE4320	Output pentode	20.0	0.20	200	40.0	100	5.5	20.0			6.0	3.4	420	Ct8	D	1934
TE5013	Octode FC	13.0	0.20	mix250 osc90	1.5 1.7	90	1.3	1.5	1.5M 23.0	0.65^ 1.10				B7	B	1934
TF44	RF pentode	4.0	0.65	250	4.0	250		2.4	2M	3.40				B7	E	1938
TF64	VM RF pentode	4.0	0.65	250	11.5	250	4.5	3/45		2.00				B7	E	1938
TF104	Output triode	4.0*	2.00	550	45.0	—	—	36.0	2.5	4.00	2.7	5.7	600	B4	A	1938
TF313M TF313P	VM RF pentode	13.0	0.20	200	8.0	100	2.6	3/50	250.0	1.80				B7 Ct8	F Q	1936
TF364	Output triode	4.0*	2.0	400	63.0	—	—	92.0	3.0	3.80				B4	A	
TF713M TF713P	RF pentode	13.0	0.20	200	3.0	100	1.1	2.0	2M	2.40				B7 Ct8	F Q	1936
TK24	Octode FC	4.0	0.65	250	1.6	70	3.0	1.5	1.5M	0.60^				B7	B	1935
TL34	Output pentode	4.0	1.10	200	33.3	200		6.0		9.50	7.0	3.5		B7	Z	1937
TL44	Output pentode	4.0	1.75	250	36.0	250		6.0		9.50	8.0	3.5	175	B7	Z	1936
TL54	Output pentode	4.0	2.00	250	72.0	275		12.5		8.50	3.5	8.5	175	B7	Z	1938
TL413	Output pentode	33.0	0.20	200	45.0	200		8.5		8.00	4.5	4.0	320	B7	Z	1936
Universal Bivolt	Triode	1.8*	0.10	200	3.0	—	—	1.5	10.0	1.00				B4	A	1929 1931
		2.0*	0.10	100	3.5	—	—	4.5	8.0	1.25						
Universal Forvolt	Triode	3.5*	0.075	200	3.0	—	—	1.5	10.0	1.00				B4	A	1929 1931
		4.0*	0.10	100	3.5	—	—	4.5	8.0	1.25						
VM Screenodion	VM RF tetrode	2.0*	0.15	150	2.0	70		0.5/9		1.25				B4	B	1932
VM Super Screen	VM RF tetrode (See also TB452)	2.0*	0.18	150	1.8	90	0.4	0.5	330.0	0.40				B4	B	

Type	Description	Filament		Anode		Auxiliary grid		Grid	r _a	g _m / g _c	R _L	P _o	R _K	Base		Year
		Volts	Amps	Volts	mA	Volts	mA	−V	kΩ	mA/V	kΩ	Watts	Ω	Type	Ref.	
DAYROS																
P1	Triode					—	—							B4	A	
P2	Triode					—	—							B4	A	
P3	Output triode					—	—							B4	A	
P4	Output triode					—	—							B4	A	
DOUBLE TWO																
LX210	Triode	2.0*	0.10			—	—							B4	A	
LX230	Triode	2.0*	0.30	50-150		—	—							B4	A	
DULIVAC																
GP (2V)	General-purpose triode	1.8*	0.20			—	—							B4	A	1927
GP (4V)	General-purpose triode	4.0*				—	—							B4	A	1927
Power (2V)	Output triode	4.0*	0.06			—	—							B4	A	1927
Power (4V)	Output triode	4.0*	0.25			—	—							B4	A	1927
EAGLE																
205 (GP)	Triode	2.0*	0.05			—	—							B4	A	1927
210 (SP)	Output triode	2.0*	0.10			—	—							B4	A	1927
220 (GP)	Triode	2.0*	0.20			—	—							B4	A	1927
406 (GP)	Triode	4.0*	0.06			—	—							B4	A	1927
420 (GP)	Triode	4.0*	0.20			—	—							B4	A	1927
420 (SP)	Output triode	4.0*	0.20			—	—							B4	A	1927
E.2P	Output triode	2.0*	0.15	150	7.0	—	—	18.0	4.2	1.20				B4	A	1927
EDISWAN																
5E.225	Output pentode	2.0*	0.25	150	6.0	120		7.5		1.00				B4+st	U	1928
5E.415	Output pentode	4.0*	0.15	150	11.0	120		7.5		1.40				B4+st	U	1928
B.T.S.215	See BTH type B.S.215	2.0*	0.15			—	—							B4	A	1927
D.R.2	Detector or AF triode	2.0*	0.10	40-80		—	—		27.0	0.30				B4	A	1926
E.S.60	Output triode	6.0*	4.00	500	80.0	—	—	110.0	1.2	4.00				L4	A	
E.S.75	Output triode	10.0*	4.20	1000	75.0	—	—	150.0	2.1	2.40		15.0		B4F	A	1930
E.S.75H	Output triode	10.0*	4.20	1000	75.0	—	—	150.0	3.2	3.40		15.0		B4F	A	
E.S.100	Output triode	6.0*	3.00	1000		—	—		1.75		7.0	30.0		L4	A	1936
E.S.220	Detector triode & AF triode	2.0*	0.075	60-90 120-150		—	—							6-pin	†	1927
G.P.2	General-purpose triode	2.0*	0.10	60-120		—	—	2.0	16.5	0.60				B4	A	1926
G.P.4	General-purpose triode	4.0*	0.15	60-120		—	—	1-2	22.0	0.55				B4	A	1926
H.F.210	RF or detector triode	2.0*	0.10	120		—	—		25.0	0.80				B4	A	1928
H.F.410	RF or detector triode	4.0*	0.10	120		—	—		22.0	1.10				B4	A	1928

† See *British Radio Valves. The Classic Years: 1926-1946*, p. 19.

Type	Description	Filament		Anode		Auxiliary grid		Grid	r _a	g _m / g _c	R _L	P _o	R _k	Base		Year
		Volts	Amps	Volts	mA	Volts	mA	−V	kΩ	mA/V	kΩ	Watts	Ω	Type	Ref.	
EDISWAN cont																
H.F.607	RF or detector triode	6.0*	0.07	120		—	—							B4	A	1928
H.F.610	RF or detector triode	6.0*	0.10	120		—	—		21.0	1.20				B4	A	1928
L.F.210	AF triode	2.0*	0.10	120		—	—		13.0	1.00				B4	A	1928
L.F.410	AF triode	4.0*	0.10	120		—	—		10.5	1.20				B4	A	1928
L.F.410A	AF or output triode	4.0*	0.10	120		—	—		4.5	2.00				B4	A	1928
L.F.610	AF triode	6.0*	0.10	120		—	—		0.0	1.50				B4	A	1928
MI.41	RF triode	4.0	1.00			—	—		9.0	1.75				B4+2tt	V	1928
MI.41 HF	RF triode	4.0	1.00			—	—		9.0	1.75				B4+2tt	V	1928
MI.41 LF	AF triode	4.0	1.00			—	—							B4+2tt	V	1928
MI.41 RC	RCC triode	4.0	1.00			—	—		50.0	0.90				B4+2tt	V	1928
P.V.2 (DE)	Output triode	2.0*	0.15	80-120		—	—	4.5	9.0	0.66				B4	A	1926
P.V.2 (Oxide)	Output triode	2.0*	0.15	60-140		—	—	6-12	6.0	0.70				B4	A	1928
P.V.4 D.E.	Output triode	4.0*	0.35	60-120		—	—	3-10	9.5	0.65				B4	A	1926
P.V.215	Output triode	2.0*	0.15	120		—	—		6.6	1.20				B4	A	1928
P.V.225	Output triode	2.0*	0.25	120		—	—		2.7	1.10				B4	A	1928
P.V.410	Output triode	4.0*	0.10	120		—	—		5.5	1.00				B4	A	1928
P.V.425	Output triode	4.0*	0.25	120		—	—		2.0	1.50				B4	A	1928
P.V.610	Output triode	6.0*	0.10	90		—	—		4.2	1.20				B4	A	1928
P.V.625	Output triode	6.0*	0.25	150		—	—		3.0	1.00				B4	A	1928
P.V.625A	Output triode	6.0*	0.25	200		—	—		1.1	3.60				B4	A	1928
P.V.625X	Output triode	6.0*	0.25	200	20.0	—	—	15.0	2.0	3.50				B4	A	1928
R.C.2	RCC triode	2.0*	0.10	120		—	—		150.0	0.20				B4	A	1926
R.C.210	RCC triode	2.0*	0.10	120		—	—		67.0	0.60				B4	A	1928
R.C.410	RCC triode	4.0*	0.10	120		—	—		61.0	0.65				B4	A	1927
R.C.610	RCC triode	6.0*	0.10	120		—	—		50.0	0.80				B4	A	1927
S.G.215	RF tetrode	2.0*	0.15	150		75-120			140.0	1.00				B4	B	1928
S.G.410	RF tetrode	4.0*	0.15	150					115.0	1.20				B4	B	1928
S.G.610	RF tetrode	6.0*	0.15	150					100.0	1.40				B4	B	1928
V1505 [†]	Output triode Class AB1 push-pull	14.0*	6.50	2000	360.0	—	—	125.0		7.50	10.0	300		USL4b		

† Later supplied by GEC (push-pull data from 1957 GEC Circuit Supplement).

Type	Description	Filament		Anode		Auxiliary grid		Grid	r_a	g_m / g_c	R_L	P_o	R_K	Base		Year
		Volts	Amps	Volts	mA	Volts	mA	-V	k Ω	mA/V	k Ω	Watts	Ω	Type	Ref.	
EKCO																
2D41	Double diode	4.0	0.65	200	0.8	—	—							B7	W	'37/38
DO42	Double diode output pentode	4.0	2.25	250	36.0	250	5.0	6.0	50.0	9.50	7.0	4.3	10.0	B7	X	'37/38
D41	Triode					—	—							B5	A	'37/38
DT41	Double diode triode	4.0	0.65	250	4.0	—	—	7.0	13.5	2.00				B7	G	'37/38
DTU1	Double diode triode	13.0	0.20	200	4.0	—	—	5.0	13.5	2.00				B7	G	'37/38
OP41	Output pentode	4.0	2.10	250	72.0	275	7.0		22.0	8.50	3.5	8.8		B7	Z	'37/38
OP42	Output pentode	4.0	1.95	250	36.0	250	5.0	5.8	50.0	9.50	8.0	3.8		B7	Z	'37/38
T41	High-mu detector triode	4.0	0.65	200	1.35	—	—	1.5	35.0	3.60				B5	A	'37/38
TX41	Triode heptode	4.0	1.45	h250 t100	3.25 9.5	100	6.0	2.5	1.5M	0.75^ 5.50			140	B7	C	'37/38
VP41	VM RF pentode	4.0	0.65	250	11.5	250	4.25	3.0		2.00				B7	F	'37/38
VPU1	VM RF pentode	13.0	0.20	200	9.0	200	3.6	2.0		2.20				B7	F	'37/38
ELKA																
C	General purpose triode	1.5-2.0*	0.15	20-100		—	—							B4	A	1926
D	General purpose triode	3.5-4.0*	0.15	20-100		—	—							B4	A	1926
D.E.	General purpose triode	1.5-2.0*	0.06	30-100		—	—							B4	A	
D.K.P.	Output triode	1.8-2.0*	0.40	30-100		—	—							B4	A	
K	General purpose triode	1.8-2.0*	0.30	30-100		—	—							B4	A	
ENSIGN																
212HF	Triode	2.0*	0.12	80		—	—		45.0	0.29				B4	A	1928
212LF	AF triode	2.0*	0.12	40-80		—	—	0-3	20.0	0.35				B4	A	1926
234PV	Output triode	2.0*	0.34	60-120		—	—	0-6	12.0					B4	A	
406HF	Triode	4.0*	0.06	80		—	—		40.0	0.37				B4	A	1926
406LF	AF triode	4.0*	0.06	80		—	—		18.0	0.44				B4	A	1926
412PV	Output triode	4.0*	0.12	120		—	—	3-9	12.0					0.67	A	1926
ETA																
BW303	Output triode	2.0*	0.32	150	11.0	—	—	25.0	2.7	1.10	6.0	0.25		B4	A	1931
BW602	Output triode	2.0*	0.32	150	12.0	—	—	12.0	1.9	3.40	5.5	0.33		B4	A	1931
BW1304	Output triode	2.0*	0.20	150	6.0	—	—	6.0	4.0	3.20	8.0	0.13		B4	A	1931
BX604	Output triode	2.0*	0.20	150	10.0	—	—	12.0	4.0	1.50	8.5	0.17		B4	A	1931
BY3	Output pentode	2.0*	0.30	150	10.0	150	8.0	4.5			7.5	0.45		B4+st B5	Z G	1933
BY6	RF tetrode	2.0**	0.15	150	0.7	60			300.0	1.10				B4	B	1931
BY1210	Low-mu triode	2.0*	0.11	150	4.0	—	—	5.0	10.0	1.20				B4	A	1931
BY1814	General-purpose triode	2.0*	0.12	150	3.0	—	—	3.0	18.0	1.30				B4	A	1931
BY1815	Low-mu triode	2.0*	0.12	150	3.0	—	—	2.5	14.0	1.30				B4	A	1933

Type	Description	Filament		Anode		Auxiliary grid		Grid	r_a	g_m / g_c	R_L	P_o	R_K	Base		Year
		Volts	Amps	Volts	mA	Volts	mA	-V	k Ω	mA/V	k Ω	Watts	Ω	Type	Ref.	
ETA cont																
BY2010	General purpose triode	2.0*	0.10											B\$	A	
BY2020	General purpose triode	2.0*	0.11	150	2.0	—	—	1.5	20.0	1.00				B4	A	1931
BY2023	General purpose triode	2.0*	0.10			—	—							B\$	A	
DW2	RF tetrode	4.0	1.00	150	2.5	75			200.0	0.85				B5	B	1931
DW3	Output pentode	4.0*	0.23	300	20.0	200	5.0	19.0			7.5	1.5	1000	B4+st B5	Z F	1932
DW6	RF tetrode	4.0	1.00	200	0.75	85			800.0	1.20				B5	B	1931
DW7	RF tetrode	4.0	1.00	200	5.0	80			200.0	3.00				B5	B	1932
DW8	VM RF tetrode	4.0	1.00	250	9.0	100		1.5		2.00				B5	B	1932
DW9	Output pentode	4.0	1.00	300	32.0	250	7.0	10.5			7.8	2.0	300	B5+st	Q	1932
DW302	Output triode	4.0*	1.05	250	33.0	—	—	50.0	1.8	1.90	4.0	1.6	1500	B4	A	1931
DW702	Output triode	4.0*	0.23	200	18.0	—	—	20.0	2.25	3.20	5.0	0.6	1200	B4	A	1931
DW704	Output triode (IH)	4.0	1.00	150	10.0	—	—	14.0	4.5	1.50	7.0	0.18	1200	B5	A	1931
DW802	Output triode (IH)	4.0	0.57	250	26.0	—	—	25.0	2.0	4.00	5.0	1.3	1000	B5	A	1932
DW1003	Output triode (IH)	4.0	1.00	200	20.0	—	—	12.5	3.3	3.30	7.0	0.38	1000	B5	A	1931
DW1508	Low- μ triode (IH)	4.0	1.00	150	5.0	—	—	6.0	7.5	2.00				B5	A	1931
DW4011	Medium- μ triode	4.0	1.00	200	5.0	—	—	5.0	11.0	3.60				B5	A	1933
DW4023	General purpose triode	4.0	1.00	150	2.5	—	—	2.0	23.0	1.75				B5	A	1931
DX502	Output triode	4.0*	0.15	150	12.0	—	—	17.0	2.1	2.40	5.0	0.33		B4	A	1931
GW402	Output triode	7.5*	1.25	450	55.0	—	—	80.0	1.8	1.80	4.0	6.0	1750	B4	A	1932
ETON																
HF	RF triode	1.4*	0.21	80	0.8	—	—	1.5	15.0	0.37				B4	A	1928
LF	AF triode	1.4*	0.21	100	1.75	—	—	4.5	11.0	0.50				B4	A	1928
LP	Output triode	1.4*	0.21	110	4.5	—	—	7.5	5.2	0.58				B4	A	1928
RC	RCC triode	1.4*	0.21	100	0.8	—	—	1.5	24.0	0.40				B4	A	1928
EVER-READY †																
A20B = 2D4A	Double diode	4.0	0.65	140	0.8	—	—							B5	C	1935
A23A, A23B = TDD4	Double diode triode	4.0	0.65	250	4.0	—	—	7.0	13.5	2.00				B7	G	1935
A27D = Pen4DD	Double diode output pentode	4.0	2.25	250	36.0	250	5.0	6.0			7.0	4.3		B7	X	1937
A30B = 904V	Detector or AF triode	4.0	0.65	200	2.0	—	—	2.0	36.0	2.00 ⁻¹				B5	A	1935
A30D = 354V	Detector or AF triode	4.0	0.65	250	6.5	—	—	4.5	11.5	3.50				B5	A	1935
A36A = TH4	Triode hexode FC	4.0	1.00	h250 t150	4.0 6.0	70	6.0	1.5	1.5M	1.0 [^] 1.20				B7	C	1937
A36B, A36C = TH4B	Triode hexode FC	4.0	1.5	h275 t100	3.25 22.0	100	7.0	2.5	1.5M	0.75 6.0				B7	C	1937

Type	Description	Filament		Anode		Auxiliary grid		Grid	r _a	g _m / g _c	R _L	P _o	R _k	Base		Year
		Volts	Amps	Volts	mA	Volts	mA	−V	kΩ	mA/V	kΩ	Watts	Ω	Type	Ref.	
EVER-READY cont																
A40M = MM4V	VM RF tetrode	4.0	1.00	200	6.0	110	0.8			2.50				B5	B	1936
A50A = SP4	RF pentode	4.0	1.00	200	3.0	100	1.2	2.0	2.2M	2.30				B5	B	1935
A50B = SP4B	RF pentode	4.0	0.65	250	4.0	250	1.5	2.4	2M	3.40				B5	B	1936
A50M = VP4	VM RF pentode	4.0	1.00	200	4.5	100	2.4	2.0	1M	2.30				B7	B	1936
A50N = VP4A	VM RF pentode	4.0	1.20	200	4.25	100	1.8	2.0	1.4M	2.50				B5 B7	B F	1935
A50P = VP4B	VM RF pentode	4.0	0.65	250	11.5	250	4.25	3.0		2.00				B7	F	1936
A70B = Pen4VA	Output pentode	4.0	1.50	250	32.0	250					8.0	3.4		B5	F	1936
		4.0	1.35	250	36.0	250	3.0	22.0			6.0	3.8				1938
A70C = PenA4	Output pentode	4.0	1.95	250	36.0	250	5.0	5.8			8.0	3.8		B7	Z	1935
A70D = PenA4	Output pentode	4.0	1.95	250	36.0	250	5.0	5.8			8.0	3.8		B7	Z	1936
A70E = PenB4	Output pentode	4.0	2.10	250	72.0	275	7.0	14.0			3.5	8.8		B7	Z	1937
A80A = FC4	Octode FC	4.0	0.65	mix250 osc90	1.6 2.0	90	3.8	1.5	1.6M	0.6^				B7	B	1935
C20C = 2D13C	Double diode	13.0	0.20	140	0.8	—	—							B5	C	1936
C23B = TDD13C	Double diode triode	13.0	0.20	200	4.0	—	—	5.0	10.0	2.90				B7	G	1937
C27D = Pen40DD	Double diode output pentode	44.0	0.20	200	45.0	200	6.0	8.5	35.0	8.00	4.5	4.0	170	B7	X	
C30B = HL13C	Medium-μ triode	13.0	0.20	200	5.0	—	—	3.7	12.0	3.30				B7	Y	1935
C36A = TH21C	Triode hexode FC	21.0	0.20	h250 t150	3.7 7.0	100	7.5	2.0	2M	0.75^ 5.5				B7	C	1937
C36B = TH30C	Triode hexode FC	29.0	0.20	h250 t100	3.25 9.5	100	6.0	2.5	1.5M	0.75^				B7	C	
C36C = TH22C	Triode heptode FC	29.0	0.20	h250 t100	3.25 9.5	100	6.0	2.50	1.5M	0.75			140	B7	C	
C36N = TH30C	Triode hexode FC	29.0	0.20	h250 t100	3.25 9.5	100	6.0	2.5	1.5M	0.75^				B7	C	
C50B = SP13C	RF pentode	13.0	0.20	200	2.5	200	0.9	2.2	2.5M	2.80				B7	F	1936
C50N = VP13C	VM RF pentode	13.0	0.20	200	9.0	200	3.6	2.0		2.20				B7	F	1935
C70D, C70E = Pen36C	Output pentode	35.0	0.20	200	40.0	200	6.0	9.0			4.0	3.1		B7	Z	1935
C80B = FC13C	Octode FC	13.0	0.20	mix200 osc90	1.6 2.0	70	3.8	1.5		0.6^				B7	B	1936
K23A = TDD2A	Double diode triode	2.0*	0.10	135	2.0	—	—	4.5	12.0	1.40				B5	E	1936
K23B = TDD2A	Double diode triode	2.0*	0.12	135	1.05	—	—	1.5	25.0	1.20				B5	A	1935
K30A = PM2HL	RF or detector triode	2.0*	0.10	135	1.5	—	—	3.0	22.5	0.80				B4	A	1935
K30B = PM1LF	Detector or AF triode	2.0*	0.10	135	3.25	—	—	6.0	12.0	0.90				B4	A	1935

Type	Description	Filament		Anode		Auxiliary grid		Grid	r_a	g_m / g_c	R_L	P_o	R_K	Base		Year
		Volts	Amps	Volts	mA	Volts	mA	-V	k Ω	mA/V	k Ω	Watts	Ω	Type	Ref.	
EVER-READY cont																
K30C = PM2HL	Detector or AF triode	2.0*	0.10	135	2.3	—	—	1.5	23.4	1.20				B4	A	1935
K30D = PM2HL	Detector or AF triode	2.0*	0.10	135		—	—	4.5	18.0	1.00				B4	A	1935
K30E = PM2DX	Driver triode for Class B	2.0*	0.10	135	2.0	—	—	4.5	18.0	1.00				B4	A	1935
K30G = PM2A	Output triode	2.0*	0.20	135	5.0	—	—	6.0	6.0	2.00	7.0	0.15		B4	A	1935
K30K = PM2HL	Medium- μ triode	2.0*	0.10	135	2.2	—	—	1.5	21.5	1.40				B4	A	1937
K33A = PM2B	Class B output triode	2.0*	0.20	120	3/20	—	—	0			14.0	1.25		B7	K	1935
K33B = PM2BA	Class B output triode	2.0*	0.20	120	3/20	—	—	4.5			14.0	1.45		B7	K	1935
K40B = PM12	RF tetrode	2.0*	0.18	135	2.0	90	0.4	0	330.0	1.50				B4	B	1936
K40N = PM12M	VM RF tetrode	2.0*	0.18	135	1.8	90	0.4	0		1.40				B4	B	1935
K50M = VP2	VM RF pentode	2.0*	0.18	135	3.0	135	1.25	0	400.0	1.50				B7	D	1935
K50N = PM12M	VM RF hexode	2.0*	0.14	135	2.0	60	0.95	1.5	1.3M	1.40				B7	D	1937
K70B = PM22A	Output pentode	2.0*	0.20 0.15	150 135	9.5 5.6	150 135	2.5 1.35	4.5 4.5			15.0 19.0	0.42 0.34		B4+st B5	Z F	1935 1937
K70D = PM22D	Output pentode	2.0*	0.30	135	5.0	135	0.8	2.4			24.0	0.3		B5	F	1936
K77A = QP22A	Double output pentode	2.0*	0.50	135	2.5	135		10.5			16.0	1.45		B9	F	1935
K77B = QP22B	Double output pentode	2.0*	0.30	135	3.8	135	0.5	11.7			14.7	1.33		B7	L	
K80A = FC2	Octode FC	2.0*	0.125	mix150 osc150	0.95	70	0.75	0		0.2^				B7	A	1935
K80B = FC2A	Octode FC	2.0*	0.12	mix135 osc135	0.7 2.1	45	0.7	0.5	2.5M	0.27^				B7	A	1937
S30C = AC044	Output triode	4.0*	1.00	300	50.0	—	—	38.0	1.2	5.00	2.3	3.5		B4	A	1935
S30D = AC042	Output triode	2.0*	2.00	300	50.0	—	—	38.0	1.2	5.00	2.3	3.5		B4	A	1937
S50C = AC044	Output triode	2.0*	1.00	300	50.0	—	—	38.0	1.2	5.00	2.3	3.5		B4	A	1935
FAMA																
Amplifier R	Triode													B4	A	
D.06 DE	Triode													B4	A	
DE Power	Triode													B4	A	
Detector	Triode													B4	A	
Power	Triode													B4	A	

† Mullard equivalents shown for Ever-Ready valves.

Type	Description	Filament		Anode		Auxiliary grid		Grid	r_a	g_m / g_c	R_L	P_o	R_K	Base		Year
		Volts	Amps	Volts	mA	Volts	mA	-V	k Ω	mA/V	k Ω	Watts	Ω	Type	Ref.	
FERRANTI																
D4	Detector of AF triode	4.0	1.00	200	4.0	—	—	3.0	12.5	3.30				B5	A	1933
DA	Medium- μ triode	13.0	0.20	200	5.0	—	—	2.0	15.0	3.5				B7	Y	1935
DS	Medium- μ triode	13.0	0.30	200	4.0	—	—	3.0	17.3	2.50				B7	Y	1936
H2D	Double diode triode	2.0*	0.10	100	3.5	—	—	0	15.0	1.30				B5	E	1934
H4D	Double diode triode	4.0	1.00	200	5.5	—	—	2.5	14.5	2.7				B7	G	1933
HAD	Double diode triode	13.0	0.20	200	4.5	—	—	2.0	18.0	2.90				B7	G	1935
HL2	Detector triode	2.0*	0.10	120	4.5	—	—	3.0	10.0	1.40				B4	A	
HP2	Class B output triode	2.0*	0.40	120	4.0	—	—	0			8.0	2.0		B7	K	1933
HSD	Double diode triode	13.0	0.30	200	4.6	—	—	3.0	16.0	2.30				B7	G	1934
L2	AF or output triode	2.0*	0.10	120	7.5	—	—	6.0	6.8	1.60	13.6	0.15		B4	A	1933
L4	Output triode (IH)	4.0	1.00	200	19.0	—	—	12.0	3.3	3.20			800	B5	A	
LP2	Output triode	2.0*	0.30	150	22.0	—	—	18.0	1.5	3.00	3.5		—	B4	A	
LP4	Output triode	4.0*	1.00	250	48.0	—	—	35.0	870 Ω	5.40	2.5		700	B4	A	1933
P4	Output triode	4.0*	0.50	250	30.0	—	—	21.0		2.80		1.0	700	B4	A	
PT2	Output pentode	2.0*	0.30	120	5.3	120	1.1	4.5		2.60	20.0	0.35	—	B5	F	1935
PT4	Output pentode	4.0	2.00	250	32.0	250	7.0	6.0		7.50	6.5	2.5	150	B7	Z	1934
PT4D	Double diode output pentode	4.0	2.00	250	32.0	250	7.0	6.0		7.50	6.5	2.5	150	B7	I	1934
				250	32.0	250	7.0	6.0			7.5	3.5				
PTA	Output pentode	13.0	0.60	250	32.0	250	5.0	10.0		4.00	6.5	2.5	250	B7	Z	1934
		13.0	0.30	250	32.0	250	5.0	10.0			6.5	3.2	250			
PTAD	Double diode output pentode	13.0	0.60	250	32.0	250	5.0	6.0		7.00	6.5	3.3	150	B7	I	
PTS	Output pentode	26.0	0.30	250	40.0	200	7.0	5.5		6.00	6.0	3.5	120	B7	Q	1934
PTSA	Output pentode	26.0	0.30	250	32.0	250	5.5	9.0						B7	Q	
PTSD	Double diode output pentode	26.0	0.30	250	32.0	250	7.0	6.0		6.00	5.0	2.5	120	B7	I	1934
				250	40.0	200	7.0	5.0			6.0	3.5				
PTZ	Output pentode	40.0	0.20	200	40.0	200	7.0	5.5			6.0	3.5	120	B7	Q	1935
QPT2	Double output pentode	2.0*	0.40	150	3.0	150	0.9	9.0		2.60	25.0	1.2	—	B7	L	
S2	RF tetrode	2.0*	0.15	120	2.25	60	0.3	1.0	300.0	1.10				B4	B	
SD	Double diode	4.0	0.30	60	1.0	—	—							B5	C	1934
SPT2	RF pentode	2.0*	0.10	120	2.8	120	0.9	0	2M	1.50				B7	D	
SPT4	RF pentode	4.0	1.00	200	5.5	100	2.0		1M	2.60				B5	B	1933
SPT4A	RF pentode	4.0	1.00	250	2.0	100	1.0	1.5	3M	2.30				B7	E	1936
SPTA	RF pentode	13.0	0.20	200	2.2	100	0.6	2.5	1.5M	1.40				B7	E	1936
SPTS	RF pentode	13.0	0.30	250	2.0	100	1.0	1.5		3.00				B7	E	1934

Type	Description	Filament		Anode		Auxiliary grid		Grid	r_a	g_m / g_c	R_L	P_o	R_k	Base		Year
		Volts	Amps	Volts	mA	Volts	mA	-V	k Ω	mA/V	k Ω	Watts	Ω	Type	Ref.	
FERRANTI cont																
VHT2	Heptode FC	2.0*	0.10	mix150 osc120	1.0 0.75	70	2.0	0	750.0	0.3^				B7	A	1934
VHT2A	Heptode FC	2.0*	0.10	mix150 osc70	1.0 0.75	70	2.0	0	750.0	0.3^				B7	A	1935
VHT4	Heptode FC	4.0	1.0	mix250 osc100	2.6 1.2	100	5.1	3.0	500.0	0.65^				B7	B	1933
VHTA	Heptode FC	13.0	0.20	mix250 osc100	2.5 1.1	100	5.0	3.0	500.0	0.65^				B7	B	1935
VHTS	Heptode FC	13.0	0.30	mix200 osc200	2.3 1.7	100	5.3	3.0	500.0	0.7^				B7	B	1934
VPT2	VM RF pentode	2.0*	0.10	120	1.5	60	0.7	1.5	600.0	1.10				B4 B7	B D	1933
VPT4	VM RF pentode	4.0	1.00	250	5.5	100	3.0	3.0	1M	2.30				B5	B	1933
VPTA	VM RF pentode	13.0	0.20	250	4.2	100	2.0	2.0	1M	2.00				B7	E	1935
VPT4B	VM RF pentode	4.0	1.00	250	6.0	100	3.0	3.0	1M	3.20				B7	E	1936
VPTS	VM RF pentode	13.0	0.30	200	5.5	100	2.0	3.0	1M	2.00				B7	E	1934
VS2	VM RF tetrode	2.0*	0.10	120	2.0	60	0.4	2.5	400.0	1.40				B4	B	1933
ZD	Double diode	7.0	0.20	60	1.0	—	—	—	—	—				B5	C	1936
FOTOS																
BA 9	General purpose triode	1.9*	0.05			—	—							B4	A	1929
BC 9	Low-mu triode	2.0*	0.15	150	3.0	—	—	6.0	9.0	1.00				B4	A	1929
BC 18	Low-mu triode	2.0*	0.15	200	2.0	—	—	3.0	20.0	0.80				B4	A	1930
BC 40	Medium-mu triode	2.0*	0.15	200	2.0	—	—	1.5	50.0	0.70				B4	A	1930
BC 150	RF tetrode	2.0*	0.30	150	3.0	90			170.0	1.00				B4	B	1930
BD 5	Output triode	2.0*	0.30	150	18.0	—	—	25.0	2.5	2.00	5.5	0.25		B4	A	1930
BD 9	Output triode	2.0*	0.30	150	10.0	—	—	9.0	4.5	2.00	9.5	0.15		B4	A	1929
BD 100	Output pentode	2.0*	0.40	150	10.0	150	3.5	15.0		1.80	10.0	0.50		B5	F	1930
BF 100	Output pentode	2.0*	0.60	300	18.0	150	6.0	20.0		2.50	8.0	1.1		B5	F	1930
C 9	Low-mu triode	4.0*	0.07	150	3.0	—	—	6.0	9.0	1.00				B4	A	1930
C 150	RF tetrode	4.0*	0.15	150	3.00	90			170.0	1.00				B4	B	1930
D 5	Output triode	4.0*	0.15	150	18.0	—	—	25.0	2.5	2.00	5.5	0.35		B4	A	1930
D 9	Output triode	4.0*	0.15	150	10.0	—	—	9.0	4.5	2.00	9.5	0.17		B4	A	1930
D 15	Low-mu triode	4.0*	0.15	150	3.0	—	—	3.0	7.5	2.00				B4	A	1930
D 40	Medium-mu triode	4.0*	0.15	200	2.0	—	—	1.5	30.0	1.20				B4	A	1930
D 100	Output pentode	4.0*	0.20	150	10.0	150	3.5	15.0		1.80	10.0	0.50		B5	F	1930

Type	Description	Filament		Anode		Auxiliary grid		Grid	r_a	g_m / g_c	R_L	P_o	R_K	Base		Year
		Volts	Amps	Volts	mA	Volts	mA	-V	k Ω	mA/V	k Ω	Watts	Ω	Type	Ref.	
FOTOS cont																
F 5	Output triode	4.0*	0.50	250	30.0	—	—	30.0	1.5	3.50	4.0	1.0		B4	A	1930
F 10	Output triode	4.0*	0.50	250	30.0	—	—	18.0	1.8	5.50	4.5	1.0		B4	A	1930
F 100	Output pentode	4.0*	0.30	300	18.0	150	6.0	20.0		2.50	8.0	1.1		B4+st B5	Z F	1930
P 4150	RF tetrode	4.0	1.00	200	3.5	80	—		125.0	2.00				B5	B	1930
S 415	Medium-mu triode	4.0	1.00	200	3.0	—	—	6.0	7.5	2.00				B5	A	1930
S 440	Low-mu triode	4.0	1.00	200	3.0	—	—	1.5	20.0	2.00				B5	A	1930
S 4150	RF tetrode	4.0	1.00	200	3.0	80			125.0	3.20				B5	B	1930
T 425	Medium-mu triode	4.0	1.00	200	3.0	—	—	1.5	8.0	3.00				B5	A	1930
FOUR IN ONE	(See QVC)															
FRELAT																
207 G	General-purpose triode	2.0*	0.07			—	—							B4	A	1928
207 RH	RF or RCC triode	2.0*	0.07			—	—							B4	A	1928
210 NP	Output triode	2.0*	0.10			—	—							B4	A	1928
407 G	General-purpose triode	4.0*	0.10			—	—							B4	A	1928
407 NP	Output triode	4.0*	0.07			—	—							B4	A	1928
407 RH	RF or RCC triode	4.0*	0.07			—	—							B4	A	1928
A.V.L.	General-purpose triode	3.8-4.0*	0.50	20-100		—	—							B4	A	1926
D.E.	General-purpose triode	1.8-2.0*	0.06	30-100		—	—							B4	A	1926
D.E.P.	Output triode	3.5-50*	0.12	60-250		—	—							B4	A	1926
D.K.P.	Output triode	1.8-2.0*	0.40	30-100		—	—							B4	A	1926
H	Detector triode	3.8-4.0*	0.50	20-30		—	—							B4	A	1926
K	Detector triode	1.8-2.0*	0.30	20-100		—	—							B4	A	1926
L	Detector or AF triode	3.0-4.0*	0.25	20-100		—	—							B4	A	1926
P	Output triode	3.8-4.0*	0.50	100-200		—	—							B4	A	1926

Type	Description	Filament		Anode		Auxiliary grid		Grid	r_a	g_m / g_c	R_L	P_o	R_k	Base		Year
		Volts	Amps	Volts	mA	Volts	mA	-V	k Ω	mA/V	k Ω	Watts	Ω	Type	Ref.	
GRAHAM FARISH																
AC/DX	Detector triode	4.0	1.00	200	5.0	—	—	3.0	10.0	3.5				B5	A	1936
AC/HG	RF tetrode	4.0	1.00	200	4.5	80	0.5	1.5	800.0	3.50				B5	B	1936
AC/HP	RF pentode	4.0	1.00	200	3.0	100	1.0	1.5	850.0	3.20				B7	E	1936
AC/LP	AF triode	4.0	1.00	200	18.0	—	—	14.0	2350 Ω	4.25				B5	A	1936
AC/PP	Output pentode	4.0	2.00	250	32.0	250	4.3	5.5			6.0	3.2		B7	Z	1936
AC/PT	Output pentode	4.0	1.00	250	32.0	250	4.3	10.0			7.5	3.4		B7	Z	1936
AC/SG	RF tetrode	4.0	1.00	200	2.4	80	0.3	1.5	225.0	3.30				B5	B	1936
AC/VG	VM RF tetrode	4.0	1.00	200	5.0	80	0.7	0	400.0	3.00				B5	B	1936
AC/VP	VM RF pentode	4.0	1.00	200	6.0	100	2.0	0	1M	3.00				B7	E	1936
AC/VS	VM RF tetrode	4.0	1.00	200	14.6	80	1.6	0	450.0	3.30				B5	B	1936
DX2	Detector triode	2.0*	0.10	150	3.5	—	—	3.0	12.0	1.40				B4	A	1935
HP2	RF pentode	2.0*	0.15	150	1.5	70	0.3	0	500.0	1.20				B7	E	1935
LF2	AF triode	2.0*	0.10	150	2.5	—	—	6.0	7.5	1.60				B4	A	1935
LP2	Output triode	2.0*	0.15	150	8.0	—	—	12.0	3.6	2.20	10.0	0.15		B4	A	1935
MP2	Output triode	2.0*	0.20	150	12.5	—	—	12.0	2.3	3.00	5.0	0.25		B4	A	1935
PP2	Output pentode	2.0*	0.20	150	18.0	150	4.0	9.0			7.6	0.75		B5	F	1935
PT2	Output pentode	2.0*	0.20	150	10.0	150	1.8	4.5			12.0	0.5		B5	F	1935
QP2	Double output pentode	2.0*	0.40	150	8.0	150	1.2	18.0			14.5	1.4		B7	L	1935
SG2	RF tetrode	2.0*	0.15	150	2.0	80	0.75	0	250.0	1.00				B4	B	1935
SGW2	RF tetrode	2.0*	0.20	150	2.25	80	0.6	0	330.0	1.50				B4	B	1935
SX2	RF tetrode	2.0*	0.20	150	2.25	80	0.6	0	330.0	1.50				B4	B	1935
VP2	VM RF pentode	2.0*	0.10	150	3.75	70	0.75	0	400.0	1.25				B7	D	1935
VS2	VM RF tetrode	2.0*	0.10	150	6.0	75	1.5	0	110.0	1.00				B4	B	1935
XP2	Output triode	2.0*	0.30	150	17.5	—	—	15.0	1850 Ω	3.50	4.0	0.45		B4	A	1935
HELIKON																
212	General-purpose triode	2.0*	0.12			—	—							B4	A	1927
216	Output triode	2.0*	0.16			—	—							B4	A	1927
406	General-purpose triode	4.0*	0.06			—	—							B4	A	1927
408	AF triode	4.0*	0.08			—	—							B4	A	1927
415	Output triode	4.0*	0.15			—	—							B4	A	1927
430	Output triode	4.0*	0.30			—	—							B4	A	1927
606	Detector triode	6.0*	0.06			—	—							B4	A	1927
625	Output triode	6.0*	0.25			—	—							B4	A	1927

Type	Description	Filament		Anode		Auxiliary grid		Grid	r _a	g _m /g _c	R _L	P _o	R _K	Base		Year
		Volts	Amps	Volts	mA	Volts	mA	~V	kΩ	mA/V	kΩ	Watts	Ω	Type	Ref.	
HIVAC																
All-Stage	See A15 below													B9	—	1936
A15	All-Stage Valve: (FC) (RF amp) (Output)	15.0	0.30	250 250 400	2.0 5.0 34.0	90 90 250	8.5 2.7 22.0	6.0 6.0 14.0		0.48^ 1.20		— — 6.5		IO	EF	1937
AC/DD	Double diode	4.0	1.00			—	—							B5 B7	C AV	1934
AC/DDT	Double diode triode	4.0	1.00	200	3.5	—	—	3.0	15.0	2.30				B7	G	1934
AC/HL	Medium-mu triode	4.0	1.00	200	5.0	—	—	3.0	10.0	3.50				B5	A	1934
AC/HP	RF pentode	4.0	1.00	200	3.0	100	1.0		850.0	3.20				B5 B7	B E	1934
AC/L	Output triode	4.0	1.00	200	18.0	—	—	14.0	2.3	4.25	6.3	0.67		B5	A	1934
AC/Q	CD output tetrode	4.0	1.35	375	57.0	250	2.5	22.0			4.0	11.5		B7	Z	1937
AC/QA	CD output tetrode	6.3	0.90	375	57.0	250	2.5	22.0	2.3		4.0	11.5		IO	AM	1937
AC/SH	RF tetrode	4.0	1.00	200	4.5	80	0.5		800.0	3.50				B5	B	1934
AC/SL	RF tetrode	4.0	1.00	200	2.4	80	0.3		225.0	3.30				B5	B	1934
AC/TZ	Triode & CD output tetrode	6.3												C18	AX	1938
AC/VH	VM RF tetrode	4.0	1.00	200	6.0	80	1.0	1.5	500.0	2.75				B5	B	1934
AC/VP	VM RF pentode	4.0	1.00	200	6.0	100	2.0	1.5	1M	3.00				B5 B7	B E	1934
AC/VPb	VM RF pentode	4.0	1.00	250	12.0	250	1.0	1.5	1M	4.00				B7	F	1938
AC/VS	VM RF tetrode	4.0	1.00	200	5.0	80	0.7	1.5	400.0	3.00				B5	B	1934
AC/Y (Harries)	Output pentode CD output tetrode	4.0	1.00	250 250	32.0 32.0	250 250	5.5 4.3	17.5 10.0		3.50 ¹	7.5 6.5	3.4 3.0		B5, B7 B7	G,Z Z	1934 1935
AC/YY (Harries)	CD output tetrode	4.0	2.00	250	68.0	250	10.0	10.0		7.50 ¹	2.0	5.0		B7	Z	1936
AC/Z (Harries)	Output pentode CD output tetrode	4.0	2.00	250 250	32.0 32.0	250 250	6.0 4.3	5.5 5.5		8.00 ¹	6.5 6.5	3.2 3.0		B5, B7 B7	G,Z Z	1934 1935
AC/ZDD	Double diode & CD output tetrode	4.0	2.00	250	32.0	250	4.3	5.5		8.00 ¹	6.5	3.0		B7	I	1936
B220	Class B double triode	2.0*	0.20	150	2.5	—	—	0			14.5	1.25		B7	K	1933
B230	Class B double triode	2.0*	0.30	150	1.25 ²	—	—	0			14.5	1.25		B7	K	1934
D210	Detector triode	2.0*	0.10	150	2.4	—	—	4.5	12.0	1.35				B4	A	1933
D210SW	Detector triode	2.0*	0.10	140	2.4	—	—	4.5	12.0	1.35				B4	A	1936
DB240	Driver triode & Class B double triode	2.0*	0.40	B)150 D)150	1.25 ² 3.0	—	—	0 4.5	12.5	1.25	14.5	1.25		B7	AZ	1934
DDT13	Double diode triode	13.0	0.30	200	5.0	—	—	4.0	15.0	2.30				B7	G	1936

Type	Description	Filament		Anode		Auxiliary grid		Grid	r _a	g _m /g _c	R _L	P _o	R _K	Base		Year
		Volts	Amps	Volts	mA	Volts	mA	−V	kΩ	mA/V	kΩ	Watts	Ω	Type	Ref.	
HIVAC cont																
DDT215	Double diode triode	2.0*	0.15	150		—	—		12.5	1.6				B5	E	1937
DDT220	Double diode triode	2.0*	0.20	150	3.0	—	—	3.5	12.5	1.60				B5	E	1934
FY	CD output tetrode	4.0*	1.00	250	32.0	250	6.0	10.0		5.00	6.0	3.0		B5	F	1936
H210	Medium-μ triode	2.0*	0.10	150	1.0	—	—	3.0	22.0	1.15				B4	A	1933
HL13	Medium-μ triode	13.0	0.30	200	6.0	—	—	2.75	10.0	3.50				B7	Y	1936
HP215	RF pentode mixer	2.0*	0.15	150	3.0	70	0.6	0		0.55^				B4 B7	B D	1934 1934
J240	RF pentode & double triode	2.0*	0.40											B9	G	1935
L210	AF low-μ triode	2.0*	0.10	150	4.0	—	—	6.0	8.6	1.20				B4	A	1933
P215	Output triode	2.0*	0.15	150	8.0	—	—	12.0	3.6	2.20	10.0	0.15		B4	A	1935
P220	Output triode	2.0*	0.20	150	6.0	—	—	7.5	4.8	2.50	9.0	0.18		B4	A	1933
PP220	Output triode	2.0*	0.20	150	12.5	—	—	12.0	2.3	3.0 ²	5.0	0.25		B4	A	1933
PX5	Output triode	4.0*	2.00	400	62.5	—	—	34.0	1.5	6.50 ²	3.0	5.75		B4	A	1937
PX41	Output triode	4.0*	1.00	250	48.0	—	—	40.0	830Ω	6.00 ²	3.5	2.5		B4	A	1936
PX230	Output triode	2.0*	0.30	150	17.5	—	—	15.0	1.85 ²	3.50 ²	4.0	0.45		B4	A	1933
PX230SW	Output triode	2.0*	0.30	150	17.5	—	—	15.0	1.85 ²	3.50 ²	4.0	0.45		B4	A	1936
QP 240	Double output pentode	2.0*	0.40	150	14.0	150	1.2	18.0		2.30 ¹	14.5	1.4		B7	L	1934
SG210	RF tetrode	2.0*	0.10	150	2.0	80	1.25		250.0	1.00				B4	B	1933
SG215	RF tetrode	2.0*	0.15	150	2.0	70	0.75		250.0	1.10				B4	B	1934
SG220	RF tetrode	2.0*	0.20	150	2.25	70	0.6		333.0	1.50				B4	B	1934
SG220SW	RF tetrode	2.0*	0.20	150	2.4	70	0.9	1.5	330.0	1.50				B4	B	1936
TP230	Triode pentode FC	2.0*	0.30	p120 t120	1.1 0.75	60 —	0.35 —	0		0.32^				B9	A	1935
VP13	VM RF pentode	13.0	0.30	200	6.3	100	2.0	1.5		3.00				B7	E	1936
VP215	VM RF pentode	2.0*	0.15	150	2.9	75	0.7	0	400.0	1.25				B4 B7	B D	1934 1934
VP215b	VM RF pentode	2.0*	0.15	120	3.25	120	0.95	0	1M	1.20				B7	N	1938
VP215c	VM RF pentode	2.0*	0.15	120	3.25	120	0.95	0	1M	1.20				B7	D	1938
VS210	VM RF tetrode	2.0*	0.20	150	6.0	75	1.5	0	110.0	1.00				B4	B	1933
VS 215	VM RF tetrode	2.0*	0.15	150	6.0	75	1.5	0	110.0	1.00				B4	B	1934
XD	Detector triode	2.0*	0.066	75	0.5	—	—	1.5	23.0	0.75				Sm4	A	1935
XHH	Double triode	2.0*				—	—							Sm4+st	C	
XL	Low-μ AF triode	2.0*	0.066	75	1.5	—	—	1.5	14.0	0.85				Sm4	A	1935
XP	Output triode	2.0*	0.066	75	4.0	—	—	4.5	5.0	1.00	10.0			Sm4	A	1935

Type	Description	Filament		Anode		Auxiliary grid		Grid	r_a	g_m / g_c	R_L	P_o	R_k	Base		Year
		Volts	Amps	Volts	mA	Volts	mA	-V	k Ω	mA/V	k Ω	Watts	Ω	Type	Ref.	
HIVAC cont																
XSG XSGSW	RF tetrode	2.0*	0.066	120	1.75	60	0.2		600.0	0.60				Sm4	B	1935 1935
XV	Variable- μ RF pentode	2.0*	0.08	50	0.4	30	0.4	0	1.5M	0.33				SM5	B	PW
XW	RF pentode	2.0*	0.08	50	0.95	45	0.3	0	1M	0.60				Sm5	B	PW
XY	Output pentode	2.0*	0.14	100	5.3	100		9.0		1.25	15.0			Sm5	A	1935
Y13 (Harries)	CD output tetrode	13.0	0.30	250	35.0	250	4.5	22.0			4.0	3.0		B7	Z	1936
Y220 (Harries)	Output pentode	2.0*	0.20	150	11.5	150	2.0	6.0			12.0	0.5		B4, B5	G, F	1933
	CD output tetrode			150	10.5	150	1.3	4.5		2.50 ¹	11.5	0.5		B5	F	1935
Y230 (Harries)	CD output tetrode	2.0*	0.30	150	7.0	150	1.0	3.0			20.0	0.4		B5	F	1938
Z26 (Harries)	CD output tetrode	26.0	0.30	250	32.0	250	4.3	5.5		8.00 ¹	6.5	3.0		B7	Z	1936
Z220 (Harries)	Output pentode	2.0*	0.20	150	18.0	150	4.0	9.0			7.6	0.75		B4, B5	G	1933
	CD output tetrode			150	18.0	150	2.1	6.0		2.50 ³	7.5	1.0		B5	F	1935

¹ At $V_a = V_{g2} = 100V$, $V_{g1} = 0V$

² At $V_a = 100V$, $V_g = 0V$ (For B230 and DB240 refers to quiescent anode current)

³ At $V_a = V_{g2} = 150V$, $V_g = 0V$

CD = Critical Distance. B = Class B triodes, D = Driver triode (for DB240)

Type	Description	Filament		Anode		Auxiliary grid		Grid	r_a	g_m / g_c	R_L	P_o	R_k	Base		Year
		Volts	Amps	Volts	mA	Volts	mA	-V	k Ω	mA/V	k Ω	Watts	Ω	Type	Ref.	
HMV																
H2	Triode	2.0*	0.10											B4	A	
S33	Triode													B4	A	
S34 = DO20	Output triode	7.5*	1.25											B4	A	

Type	Description	Filament		Anode		Auxiliary grid		Grid	r_a	g_m / g_c	R_L	P_o	R_K	Base		Year
		Volts	Amps	Volts	mA	Volts	mA	-V	k Ω	mA/V	k Ω	Watts	Ω	Type	Ref.	
LISSEN																
AC/AVC	Diode and VM RF pentode	4.0	1.00	200	3.0	150	1.0	0	500.0	2.00				B5+2st	†	1933
AC/FC	Triode hexode	4.0	1.40	h250 t150	2.5 1.6	100	3.5	1.5	500.0 10.0	0.65^				B7	C	1934
AC/HL	Detector triode	4.0	1.00	200	3.0	—	—	4.5	10.0	4.00				B5	A	1932
AC/P	Output triode	4.0	1.00	200	20.0	—	—	13.5	2.8	3.60	6.0	0.68		B5	A	1932
AC/PT	Output pentode	4.0	1.00	250 250	31.0 31.0	200 200	4.0 4.0	10.0 8.0			7.5 7.5	2.00 3.00		B5+st B7	Q Z	1932 1935
AC/SG	RF tetrode	4.0	1.00	200	7.0	80	0.50		340.0	4.00				B5	B	1932
AC/SGV	VM RF tetrode	4.0	1.00	200	6.0	80	0.50	1.5	300.0	4.00				B5	B	1932
AC/SP	RF pentode	4.0	1.00	250	3.0	100	1.0		1M	3.00				B7	E	1934
AC/SPV	VM RF pentode	4.0	1.00	250	4.0	100	1.3	1.5	1M	3.00				B7	E	1934
AVC2	Diode and VM RF pentode	4.0* 2.0	0.15	150	2.0	100	0.50	0	500.0	1.00				B4+2st	W	1933
B2 (two required)	Class B single triode	2.0*	0.10	150	4.0	—	—	0			15.0	2.00		B4	A	1933
BB220A	Class B double triode	2.0*	0.20	150	4.0	—	—	3.0			10.0	2.50		B7	K	1934
BB240	Class B double triode	2.0*	0.40	150	5.4	—	—	0		1.40	7.5	3.20		B7	K	1933
BB240A	Class B double triode	2.0*	0.40	150	5.0	—	—	3.0			8.0	3.50		B7	K	1934
FC2	Triode hexode FC	2.0*	0.20	h150 t100	1.2 0.8	70	1.2	0	500.0 12.5	0.40^				B7	AK	1934
H2	RF or detector triode	2.0*	0.10	150	1.0	—	—	1.5	45.0	1.10				B4	A	1931
H210	RF or RCC triode	2.0*	0.10	150	0.5	—	—	1.5	58.0	0.60				B4	A	1929
H410	RF or RCC triode	4.0*	0.10	150	0.5	—	—	1.5	60.0	0.66				B4	A	1930
H610	RF or RCC triode	6.0*	0.10	150	0.5	—	—	1.5	60.0	0.66				B4	A	1930
HL2	Detector triode	2.0*	0.10	150	1.5	—	—	3.0	22.0	1.60				B4	A	1931
HL16	Detector or AF triode	16.0	0.25	200	3.0	—	—	4.5	10.0	4.00				B5	A	1932
HL210	General-purpose triode	2.0*	0.10	150	1.0	—	—	1.5	21.0	0.85				B4	A	1929
HLD410	General-purpose triode	4.0*	0.10	150	1.0	—	—	1.5	21.0	1.20				B4	A	1930
HLD610	General-purpose triode	6.0*	0.10	150	1.0	—	—	1.5	21.0	1.20				B4	A	1930
L2	AF triode	2.0*	0.10	150	5.0	—	—	3.0	10.0	1.90				B4	A	1931
L2/D	Diode and AF triode	2.0*	0.10	150	2.0	—	—	4.5	12.0	1.50				B5	E	1933
L210	AF triode	2.0*	0.10	150	5.0	—	—	6.0	10.0	1.00				B4	A	1929
L410	AF triode	4.0*	0.10	150	6.0	—	—	4.5	8.5	1.80				B4	A	1930
L610	AF triode	6.0*	0.10	150	5.0	—	—	4.5	8.0	2.00				B4	A	1930
LP2	Output triode	2.0*	0.20	150	9.0	—	—	6.0	3.5	3.50	9.0	0.20		B4	A	1931

† Base connections are probably as for the AVC2 but with the cathode connected to the centre pin of the B5 base.

Type	Description	Filament		Anode		Auxiliary grid		Grid	r _a	g _m / g _c	R _L	P _o	R _k	Base		Year
		Volts	Amps	Volts	mA	Volts	mA	−V	kΩ	mA/V	kΩ	Watts	Ω	Type	Ref.	
LISSEN cont																
P220	Output triode	2.0*	0.20	150	7.6	—	—	13.5	4.0	1.75	10.0	0.16		B4	A	1929
P220A	Output triode	2.0*	0.20	150	14.0	—	—	15.0	1.7	3.50	8.0	0.35		B4	A	1931
P240A	Output triode	2.0*	0.40	150	25.0	—	—	21.0	1.0	5.00	3.5	0.55		B4	A	1931
P410	Output triode	4.0*	0.10	150	7.0	—	—	10.5	4.0	2.00	8.5	0.16		B4	A	1930
P425	Output triode	4.0*	0.25	200	25.0	—	—	32.0	1.5	3.00	5.0	0.80		B4	A	1930
P610	Output triode	6.0*	0.10	150	9.0	—	—	10.5	3.2	2.50	7.0	0.16		B4	A	1930
P625	Output triode	6.0*	0.25	200	18.0	—	—	16.5	2.5	3.00	5.5	0.65		B4	A	1930
P625A	Output triode	6.0*	0.25	200	30.0	—	—	30.0	1.5	3.00	3.5	0.90		B4	A	1930
PT2A	Output pentode	2.0*	0.20	150 150	18.0 18.0	150 150	3.0 3.0	10.5 10.5			8.5 8.5	1.10 1.10		B4+st B5	Z F	1933 1936
PT16	Output pentode	16.0	0.25	250	31.0	200	4.0	10.0			7.5	0.30		B5	F	1933
PT220A	Output pentode	2.0*	0.20	150	15.0	150	4.0	9.0		2.50	10.0	0.55		B4+st	Z	1931
PT225	Output pentode	2.0*	0.25	150 150	6.0 8.0	150 150	1.5 2.0	6.0 6.0		1.40 1.40	20.0 18.7	0.25 0.30		B4+st B5	Z F	1929 1932
PT240	Output pentode	2.0*	0.40	150 200	13.0 16.0	120 150	2.0 4.0	9.0 10.5		2.00 2.30	9.0 12.5	0.45 0.80		B4+st B5	Z F	1929 1932
PT250	Output pentode	2.0*	0.50	250	40.0	250	7.0	15.0			7.0	2.50		B5	F	1934
PT425	Output pentode	4.0*	0.25	150 200	16.0 18.0	150 150	2.0 4.5	10.5 18.0		2.00 2.50	8.0 11.0	0.65 0.90		B4+st B5	Z F	1931 1932
PT611	Output pentode	6.0*	0.11	150		100			71.0	1.40		0.30		B4+st	Z	1932
PT625	Output pentode	6.0*	0.25	200 200	20.0 20.0	150 150	3.0 5.0	10.5 10.5		2.50 2.50	9.0 10.0	1.00 1.00		B4+st B5	Z F	1930 1932
PX240	Output triode	2.0*	0.40	200	25.0	—	—	32.0	1.5	3.00	5.0	0.80		B4	A	1929
QP240	QPP output pentode	2.0*	0.40	150	4.0	—	—	15.0			22.0	1.50		B7	L	1934
SG2V	VM RF tetrode	2.0*	0.15	150	4.0	80	0.25	0	400.0	1.20				B4	B	1932
SG215	RF tetrode	2.0*	0.15	150	1.5	60	0.25		900.0	1.10				B4	B	1929
SG410	RF tetrode	2.0*	0.10	160	2.0	80			200.0	0.90				B4	B	1930
SGV16	VM RF tetrode	16.0	0.25	200	6.0	80	0.50	1.5	300.0	4.00				B5	B	1933
SP2	RF pentode	2.0*	0.10	150	2.5	80	0.60		500.0	1.00				B7	D	1934
SP2V	VM RF pentode	2.0*	0.10	150	3.0	80	0.80	0	500.0	1.10				B7	D	1934

Type	Description	Filament		Anode		Auxiliary grid		Grid	r _a	g _m / g _c	R _L	P _o	R _K	Base		Year
		Volts	Amps	Volts	mA	Volts	mA	−V	kΩ	mA/V	kΩ	Watts	Ω	Type	Ref.	
LOEWE-AUDION																
2HF	Double RF bi-grid	4.0*	0.165	90 90	1.0 2.2	10-30 10-30	0.3 0.6		476.0 28.0	0.30 0.60				6-pin	A 179	1927
2HMD	Mixer tetrode Oscillator tetrode	4.0	1.50	200 200	4.0 4.0	100 100	5.0 5.0		400.0 400.0	1.20 1.20				5-pin +2st	178	
2NF	Triode Triode	4.0	0.60	135 135	15.0	— —	— —		660.0 2.4	0.20 2.00				6-pin+cc		
3NF	Detector triode AF triode Output triode	4.0*	0.35	135 135 135	7.0	— — —	— — —	7.5	290.0 290.0 7.0	0.20 0.20 1.20		0.4		6-pin	B 181	1927
3NFB = 3NF Bat 3NF Net (for DC)	Detector triode AF triode Output triode	4.0*	0.125	90-200 90-200 90-200	8-10	— — —	— — —		290.0 290.0 3.8	0.20 0.20 1.20				6-pin+cc	175	
3NFK	Detector triode AF triode Output triode	4.0†	1.20	300 300 300	2.0 0.3 35.0	— — —	— — —		290.0 290.0 1.0	0.20 0.20 3.50	12.0	2.0		6-pin+cc	176	
3NFL	Detector triode AF triode Output triode	4.0†	1.20	300 300 300	2.0 0.3 35.0	— — —	— — —		48.0 290.0 1.0	1.20 0.20 3.50	12.0	2.0		6-pin+cc	177	
3NFW	Detector triode AF triode Output triode	4.0†	1.00	200 200 200	2.0 0.2 20.0	— — —	— — —		290.0 290.0 1.5	0.20 0.20 3.00	1.0	0.8		6-pin+cc	176	
AR23	Triode	3.5*	0.50			— —	— —							B4	A	
HF29, HF30	Triode Triode	4.0*	0.15			— —	— —							6-pin	180	1929
HF30	Triode Triode	4.0*	0.125	90-200 90-200	2-3	— —	— —		12.0 12.0	1.30 1.30				6-pin	180	
LA74	Triode	3.0*	0.06	50-100		— —	— —							B4	A	
LA75	General-purpose triode	2.0*	0.17			— —	— —							B4	A	
LA77	Bi-grid	1.3*	0.13	60-200										B4		
LA101	Triode	3.8-4.0*		60-120		— —	— —		7.0	0.90				B4	A	1926
MO44	Mixer tetrode Oscillator tetrode	35.0	0.18	200 200	4.0 4.0	70.0 70.0	5.0 5.0		400.0 400.0	1.20 .20				7-pin +tc	169	
RNF7 = 3NF (British made)	Detector triode AF triode Output triode	4.0*	0.34	90-150		— —	— —							6-pin	B 181	1927

†The output triode of these three valves is directly heated. The other two triodes are indirectly heated.

Type	Description	Filament		Anode		Auxiliary grid		Grid	r _a	g _m /g _c	R _L	P _o	R _K	Base		Year
		Volts	Amps	Volts	mA	Volts	mA	−V	kΩ	mA/V	kΩ	Watts	Ω	Type	Ref.	
LOEWE cont																
WG33	Triode	50.0	0.18	90-250					24.0	1.20				12-pin +tc	170	
	Triode			90-250			?	?								
	Output tetrode			90-250	15.0	75	2.0	10.0	65.0	1.50	1.0					
WG34	Tetrode detector	50.0	0.18	90-250	0.35	30			2M	1.00				12-pin +tc	171	
	Output pentode			90-250	30.0	200		12.0	45.0	4.50	9.0	2.0				
WG35	VM RF tetrode	63.0	0.18	90-250	0.35	40			2M	1.00				12-pin +tc	172	
	Diode & output pentode			90-250	50.0	200	9.0	18.0	25.0	4.00	3.0					
WG36	VM RF pentode mixer	65.0	0.18	90-250	3.0	100	8.0		500.0	0.80				12-pin +tc	173	
	Triode oscillator			90-250	5.0				3.0	3.30						
	VM RF pentode			90-250	4.0	100	1.7		800.0	2.50						
WG37	VM RF pentode	75.0	0.18	200	4.0	100	1.7		750.0					12-pin +tc	174	
	Tetrode detector			200	0.35	40	0.08		2M							
	Output pentode			200	35.0	200	10.0		45.0		9.0					
LOUDEN																
F.E.R.1 (4V)	AF triode	4.0*	0.10	40-100	4.5	—	—	1.5-7.5	12.5	0.48				B4	A	1925
F.E.R.1 (6V)	AF triode	6.0*	0.10	40-100	4.5	—	—		12.5	0.48				B4	A	1925
F.E.R.2 (4V)	RF triode	4.0*	0.10	40-100	1.5	—	—	0-3	24.0	0.50				B4	A	1925
F.E.R.2 (6V)	RF triode	6.0*	0.10	40-100	1.5	—	—		23.0	0.52				B4	A	1925
F.E.R.3 (4V)	Detector triode	4.0*	0.10	20-80		—	—		17.0	0.47				B4	A	1927
F.E.R.3 (6V)	Detector triode	6.0*	0.10	20-80		—	—							B4	A	1927
L.E.R.1	AF triode	2.0*	0.20	40-100		—	—	1.5-4.5	20.0	0.25				B4	A	1926
L.E.R.2	RF triode	2.0*	0.20	40-100		—	—	0-3	40.0	0.30				B4	A	1926
L.E.R.3	Detector triode	2.0*	0.20	20-80		—	—		33.0	0.24				B4	A	1926
P.E.R.1 (4V)	Output triode	4.0*	0.20	60-200		—	—	3-15	8.0	0.90				B4	A	1926
P.E.R.1 (6V)	Output triode	6.0*	0.20	60-200		—	—	3-15	8.0	0.90				B4	A	1926
P.E.R.2 (4V)	Output triode	4.0*	0.20	60-200		—	—	0-4.5	20.0	0.90				B4	A	1926
P.E.R.2 (6V)	Output triode	6.0*	0.20	60-200		—	—	0-4.5	20.0	0.90				B4	A	1926
LUMOS																
L4	Triode					—	—							B4	A	
L5	Triode					—	—							B4	A	
LDE	Triode					—	—							B4	A	
LDE3	Triode					—	—							B4	A	
LDE4	Triode					—	—							B4	A	

Type	Description	Filament		Anode		Auxiliary grid		Grid	r_a	g_m / g_c	R_L	P_o	R_K	Base		Year
		Volts	Amps	Volts	mA	Volts	mA	-V	k Ω	mA/V	k Ω	Watts	Ω	Type	Ref.	
LUSTROLUX																
4VBE	See 470BE															
206 HF	RF or detector triode	2.0*	0.06	80		—	—		50.0	0.24				B4	A	1926
206 LF	AF triode	2.0*	0.06	80		—	—		25.0	0.28				B4	A	1926
210 HF	RF or detector triode	2.0*	0.10			—	—							B4	A	
210 LF	AF triode	2.0*	0.10			—	—							B4	A	
210 RC	RCC triode	2.0*	0.10			—	—							B4	A	
210SG	RF tetrode	2.0*	0.10	150		80			240.0	0.90				B4	B	1928
212 HF	RF or detector triode	2.0*	0.12	80		—	—		45.0	0.29				B4	A	1926
212 LF	AF triode	2.0*	0.12	80		—	—		20.0	0.35				B4	A	1926
225 PV	Output triode	2.0*	0.25			—	—							B4	A	
234 HF	General-purpose triode	2.0*	0.34	100		—	—		50.0	0.20				B4	A	1926
234 LF	AF triode	2.0*	0.34	100		—	—		25.0	0.28				B4	A	1926
234 P	AF or output triode	2.0*	0.34	120		—	—	2-6	13.0	0.42				B4	A	1926
234 P (Astra)	AF or output triode	2.0*	0.34	120		—	—	2-6	12.0	0.62				B4	A	1926
234 PV	AF or output triode	2.0*	0.34			—	—		12.0					B4	A	
306 HF	RF triode	3.0*	0.06	80		—	—		50.0	0.20				B4	A	
306 LF	AF triode	3.0*	0.06	80		—	—		25.0	0.28				B4	A	1926
312P, 312 PV	AF or output triode	3.0*	0.12	120		—	—	3-9	10.0	0.60				B4	A	1926
406 HF	RF or detector triode	4.0*	0.08	80		—	—		40.0	0.37				B4	A	1926
406 LF	Detector or AF triode	4.0*	0.08	80		—	—	3.0	18.0	0.44				B4	A	1926
410 HF	RF or detector triode	4.0*	0.10			—	—							B4	A	
410 RC	RCC triode	4.0*	0.10			—	—							B4	A	
412P 412 PV	AF or output triode	4.0*	0.12	120		—	—	3-9	12.0	0.67				B4	A	1926
418 PV	Output triode					—	—							B4	A	
434P, 434 PV	AF or output triode	4.0*	0.34	120		—	—	3-9	12.0	0.67				B4	A	
470 BE, 4VBE	General-purpose triode	4.0*	0.70	80		—	—		25.0	0.28				B4	A	1926
525	Output triode	5.5*	0.25	120	7.0	—	—	4.5	8.3	0.80				B4	A	1927
525B	General-purpose triode	5.5*	0.25	120	2.0	—	—	1.5	40.0	0.45				B4	A	1926
534P, 534 PV	Output triode	5.5*	0.34	120		—	—	3-9	7.0	1.00				B4	A	1926
606P, 606 PV	AF or output triode	6.0*	0.08	120		—	—	3-9	12.0	0.58				B4	A	1926
625 PV	Output triode					—	—							B4	A	
634 PV	Output triode					—	—							B4	A	1927
Aston	Output triode	2.0*	0.34	120		—	—	2-6	12.0	0.62				B4	A	1926
R.5V	General-purpose triode	5.0*	0.70	30-120		—	—	3-6	30.0	0.30				B4	A	1926
SG2	RF tetrode	2.0*	0.10	150		75-80			240.0	0.90				B4+st	U	1928

Type	Description	Filament		Anode		Auxiliary grid		Grid	r _a	g _m / g _c	R _L	P _o	R _k	Base		Year
		Volts	Amps	Volts	mA	Volts	mA	–V	kΩ	mA/V	kΩ	Watts	Ω	Type	Ref.	
MARCONI-OSRAM																
A373	Peak voltmeter diode	1.8*	1.60	2000	3.0pk	—	—							SES	—	1938
A537	Low-noise AF triode (microphone amplifier)	4.0	0.40	150 50	3.3 1.0	—	—	6.0 2.0	10.0 10.0	1.55 1.55	20.0 50.0			Ct4	B	1936
A577	Voltmeter triode	4.0	1.00	250		—	—		3.0	2.00				B5	A	1936
A748	Double D43 for TV	4.0												—	—	1938
A800	Absorber single diode	4.0	2.00	1000	100.0	—	—							B4	AC	PW
A802	Triode for photocell amp	4.0	1.00	100	2.6	—	—	3.0	8.0	2.50				B5	A	1937
A819 = CV1698	RF tetrode	3.33	1.40	250		250			100.0	4.20				B7	AF	
A901 = CV1722	Tetrode	5.5	1.40	135		135				10.0				B7	Z	
A964	Triode for photocell amp	4.0*	0.10	150		—	—		5.0	1.50				B4	A	1938
A1178	Low noise AF triode	4.0	0.25	150		—	—		9.0	2.80				Ct4	B	1939
B21	Class B double triode	2.0*	0.20	150	2.2	—	—	6.0	32.0		12.0	1.6		B7	K	1933
B65 (= 6SN7)	Medium mu duo triode	6.3	0.60	250	9.0	—	—	8.0	7.7	2.60				IO	AB	PW
BG4	Bi-grid FC	4.0*	0.10	25 max	2.6	20	28.0	2.0	4.5	1.00				B5	L	1931
BL62, BL63	Double output triode	6.3	1.27	250	14.0	—	—	16.0	2.86	4.20				IO	AD	1939
D.8	Detector triode	0.8*	1.60	150		—	—		21.0	0.67				B4	A	1929
D41	Double diode	4.0	0.30	25 max		—	—							B5	C	1935
D42	Diode for television	4.0	0.60	75 max		—	—							B4	H	1936
D43	Diode for television	4.0	0.60	75 max		—	—							B4	L	1939
D63	Double diode	6.3	0.30	100	2.0	—	—							IO	BE	1937
DA30	Output triode (AB1 push-pull)	4.0*	2.00	500	50-110	—	—	145	0.58	6.90	3.4	44	—	B4	A	1935
DA41	Output triode (Class B push-pull)	7.5*	2.50	1000	44.0 to 280.0	—	—	0	17.0	3.60	7.0	175	—	USM4b	V	1939
DA60	Output triode	6.0*	4.00	500	120.0	—	—	135.0	835Ω	3.00	3.0	10.5		L4	A	1929
DA100	Output triode (AB1 push-pull) (AB2 push-pull)	6.0*	2.70	1000 1000 1000	100.0 100/300 100/300	— — —	— — —	146.0 200.0 200.0	1410Ω	3.90	6.7 4.0 8.0	30 125 200	1490 — —	L4	A	1933 1946 1946
DA250	Output triode (Class A push-pull) (Class AB1 push-pull) (Class AB2 push-pull)	10.0*	2.00	2500 2500 2500 2500	 100.0 100/360 100/500	— — — —	— — — —	 126.0 130-160 130-160	2290Ω	7.00	 17.5 12.0 12.0	 90 400 800	 1260 — —	4-pin special BC	—	1938
D.E.H.210	General-purpose triode	2.0*	0.10	150		—	—		75.0	0.47				B4	A	1927
D.E.H.410	General-purpose triode	4.0*	0.10	150		—	—		70.0	0.57				B4	A	1927
D.E.H.610	General-purpose triode	6.0*	0.10	150		—	—		65.0	0.62				B4	A	1927

Type	Description	Filament		Anode		Auxiliary grid		Grid	r _a	g _m / g _c	R _L	P _o	R _K	Base		Year
		Volts	Amps	Volts	mA	Volts	mA	−V	kΩ	mA/V	kΩ	Watts	Ω	Type	Ref.	
MARCONI-OSRAM cont																
D.E.H.612	General-purpose triode	5.6-6.0*	0.12	40-150		—	—		33.0	0.66				B4	A	1927
D.E.L.210	AF or output triode	2.0*	0.10	150		—	—		17.0	0.53				B4	A	1927
D.E.L.410	Detector or AF triode	4.0*	0.10	120		—	—		14.0	0.93				B4	A	1927
D.E.L.610	Detector or AF triode	6.0*	0.10	150		—	—		13.0	1.15				B4	A	1928
D.E.L.612	Detector or AF triode	6.0*	0.12	120		—	—	0-3.5	9.0	1.00				B4	A	1927
D.E.P.215	Output triode	2.0*	0.15	60-120		—	—	1.5-9	6.25	1.00				B4	A	1927
D.E.P.240	Output triode	2.0*	0.40	150		—	—		3.0	1.16				B4	A	1927
D.E.P.410	Output triode	4.0*	0.10	120		—	—		6.25	1.00				B4	A	1927
D.E.P.610	Output triode	6.0*	0.10	150		—	—		4.5	1.55				B4	A	1927
DG2	Bi-grid − Freq. Chang. − Anode bend detector − Grid detector	2.0*	0.20	15-25 40-80 40-80	1.2-2.0 Negl. 1.1-2.4	20 +LT +LT	11.0 Negl. Negl.	3-4.5 6-15 R _g to +LT	3.75	1.20				B5	L	1931
DH	Detector or AF triode	16.0	0.25	200	6.0	—	—	3.0	10.8	3.70				B5	A	1931
DH30	Double diode triode	13.0	0.30	200	2.8	—	—	2.0	18.0	4.50				B7	G	1934
DH42	Double diode triode	4.0	0.60	250	1.1	—	—	3.0	58.0	1.20				B7	G	1936
DH63, DH63M	Double diode triode	6.3	0.30	250	1.1	—	—	3.0	58.0	1.20	250.0		2000	IO	AE	1937
DH73, DH73M	Double diode triode	6.0	0.16	250	4.5	—	—	3.0	22.0	2.0				IO	AE	1939
DH74	Double diode triode	13.0	0.16	250	1.0	—	—	3.0	58.0	1.20				IO	AE	WW2
DH76	Double diode triode	13.0	0.16	250	1.1	—	—	3.0	58.0	1.20	250.0		2000	IO	AE	PW
DHD	Double diode triode	16.0	0.25	200	3.2	—	—	3.2	18.2	2.20				B7	G	1933
DL	Output triode	16.0	0.25	200	25.0	—	—	8.0	2.66	4.50	7.0	0.60		B5	A	1931
DL63	Double diode triode	6.3	0.30	250	4.0	—	—	3.0	22.5	1.60				IO	AE	1939
DL74M	Double diode triode	13.0	0.16	250	5.0	—	—	3.0	22.4	1.65				IO	AE	1940
DN41	Double diode output pentode	4.0	2.30	250	40.0	200	8.0	4.4		10.00	5.4	4.5	90	B7	I	1935
DPT	Output pentode	16.0	0.25	200	40.0	200	6.5	10.0	30.0	3.00	6.0	2.0		B5+st	Q	1931
DS	RF tetrode	16.0	0.25	200	2.4	70	0.3	1.5	500.0	1.10				B5	B	1931
DSB	RF tetrode	16.0	0.25	200	3.4	80	1.2	1.0	350.0	3.20				B5	B	1931
DSP1	RF pentode	16.0	0.25	200		100				4.00				B7	E	1933
ET1	Electrometer triode	1.0*	0.10	4 6		—	—	2.0 2.0		0.05 0.10				B4	Fig 7.49	1939
G445B = CV1651	Repeater triode	4.0*	0.45	150		—	—		5.0	1.90				B4	A	
H2	Detector triode	2.0*	0.10	150	1.5	—	—	1.5	35.0	1.00				B4	A	1930
H.8	RF or RCC triode	0.8*	0.80	150	1.0	—	—	1.5	55.0	0.73				B4	A	1928

Negl = Negligible (for DG2)

Type	Description	Filament		Anode		Auxiliary grid		Grid	r _a	g _m / g _c	R _L	P _o	R _k	Base		Year
		Volts	Amps	Volts	mA	Volts	mA	−V	kΩ	mA/V	kΩ	Watts	Ω	Type	Ref.	
MARCONI-OSRAM cont																
H11	Midget AF triode	1.0*	0.10	100	0.6	—	—	2.0	30.0	0.50				Ct4	A	1934
H12	Midget AF triode	2.0*	0.06	100	0.6	—	—	1.5	21.6	1.20				Sm4	A	1938
H30	High-μ triode	13.0	0.30	250	5.5	—	—	1.7	13.3	6.00				B7	Y	1934
H42	Detector or AF triode	4.0	0.60	250	1.0	—	—	2.0	66.0	1.50				B7	Y	1936
H63	High-μ AF triode	6.3	0.30	250	1.0	—	—	2.0	66.0	1.50	200.0		2000	IO	T	1937
H210	Detector or RCC triode	2.0*	0.10	150	1.00	—	—	1.5	50.0	0.70				B4	A	1929
H410	RCC triode	4.0*	0.10	150	0.7	—	—	1.5	60.0	0.66				B4	A	1929
H610	RCC triode	6.0*	0.10	150	0.60	—	—	1.5	60.0	0.67				B4	A	1929
HA1	Acorn UHF triode	4.0	0.25	180	4.5	—	—	5.0	12.5	2.00				5AA	A	1936
HA2	Acorn UHF triode	6.3	0.15	180	4.5	—	—	5.0	12.5	2.00				5AA	A	1939
HD14	Single diode triode	1.4*	0.05	90	0.14	—	—	0	240.0	0.27				IO	CU	1940
HD21 (Marconi)	Double diode triode	2.0*	0.20	150	1.8	—	—	1.5	18.0	1.50				B5	E	1934
HD22	Double diode triode	2.0*	0.20	150	1.8	—	—	3.0	18.0	1.50				B5	E	1934
HD23	Double diode triode	2.0*	0.15	150	1.8	—	—	3.0	28.6	1.40				B5	E	1938
HD24	Double diode triode	2.0*	0.10	150	1.1	—	—	1.5	28.6	1.40				B5	E	1939
HL2 HL2K	Detector or AF triode	2.0*	0.10	150	1.75	—	—	3.0	18.0	1.50				B4	A	1931 1934
HL2/c	Detector or AF triode	2.0*	0.10	150	2.2	—	—	3.0	20.0	1.10				B4	A	1931
HL8	General-purpose triode	0.8*	0.80	150	2.20	—	—	4.5	17.0	1.00				B4	A	1928
HL21 (= HL2)	Small triode					—	—							B4	A	1939
HL210	General-purpose triode	2.0*	0.10	150	1.90	—	—	3.0	23.0	0.87				B4	A	1928
HL410	General-purpose triode	4.0*	0.10	150	2.20	—	—	1.5	30.0	0.83				B4	A	1929
HL610	RF or RCC triode	6.0*	0.10	150	1.90	—	—	1.5	30.0	1.00				B4	A	1928
KH1	General-purpose triode	3.5	2.00	150		—	—		30.0	1.33				B4+st	Y	1927
KL1	Output triode	3.5	2.00	100		—	—		5.5	1.36				B4+st	Y	1927
KT2	Output beam tetrode	2.0*	0.20	150	7.5	150	1.7	4.5		2.50	17.0	0.50		B5	F	1937
KT21	Output beam tetrode	2.0*	0.30	150	5.3	150	1.0	2.5		5.30	19.0	0.46		B5	F	1937
KT24	Output beam tetrode	2.0*	0.20	150	10.0	150	2.1	2.8		3.20	10.0	0.65		B5	F	1939
KT30	Output beam tetrode	13.0	0.30	250	40.0	250	7.0	12.0		3.90	7.5	2.7	260	B7	Z	1937
KT31	Output beam tetrode	13.0	0.60●	200	40.0	180	10.6	4.0		10.00	5.5	2.5	80	B7	T	1937
KT32	Output beam tetrode	26.0	0.30	135	75.0	135	5.0	7.6		9.00	1.3	3.5	95	IO	AM	1937
KT33	Output beam tetrode	26.0	0.30	200	60.0	200	10.0	13.2		10.00	3.0	5.0	190	IO	AM	1937
KT33C	Output beam tetrode	13.0	0.60●	200	60.0	200	10.0	13.3		10.00	3.0	5.0	190	IO	CA	1939

Type	Description	Filament		Anode		Auxiliary grid		Grid	r_a	g_m / g_c	R_L	P_o	R_K	Base		Year
		Volts	Amps	Volts	mA	Volts	mA	-V	k Ω	mA/V	k Ω	Watts	Ω	Type	Ref.	
MARCONI-OSRAM cont																
KT35	Output beam tetrode	13.0	0.60*	200	50.0	200	8.5	11.5		10.00	4.0	4.2	200	IO	CA	1940
KT36	Line t/b output tetrode	26.0	0.30	250		200				11.00				IO	AP	PW
KT41	Output beam tetrode	4.0	2.00	250	40.0	250	8.5	4.4		10.50	6.0	4.3	90	B7	Z	1937
KT42	Output beam tetrode	4.0	1.00	250	34.0	250	5.5	16.5		2.50	7.0	3.2	420	B7	Z	1937
KT44, KT45	Output beam tetrode	4.0	2.00	250	85.0	250		15.0		6.30				B7	AN	1939
KT44T = CV1576	Output beam tetrode	4.0	2.00	400max		300max				6.25				B7	AN	WW2
KT61	Output beam tetrode	6.3	0.95	250	40.0	250	7.5	4.4		10.50	6.0	4.3	90	IO	AM	1939
KT63	Output beam tetrode	6.3	0.70	250	34.0	250	5.5	16.5		2.50	7.0	3.0	420	IO	AM	1937
KT66	Output beam tetrode	6.3	1.27	250	80.0	250	6.0	16.0		6.30	2.2	8.0	190	IO	AM	1937
KT71	Output beam tetrode	48.0	0.16	175	70.0	175	12.0	9.8		10.00	2.5	5.0	120	IO	AM	WW2
KT72	Output beam tetrode	15.0	0.16	175	30.0	175	6.0	13.0		2.50	6.0	2.0	300	IO	AM	1939
KT73	Output beam tetrode	6.0	0.40	165	33.0	175	6.0	12.5		2.50	6.0	2.0	300	IO	AM	1939
KT74	Output beam tetrode	15.0	0.16	170	30.0	175	6.0	13.0		2.50	5.0	2.0	300	IO	AM	WW2
KT76	Output beam tetrode	15.0	0.16	175	35.0	175	6.0	13.0		2.50	5.0	2.0	300	IO	AM	PW
KTW61, KTW61M	VM RF tetrode	6.3	0.30	250	8.0	80	2.3	3.0	460.0	2.90			300	IO	I	1939
KTW62 = CV1100	VM RF tetrode	6.3	0.30	250	8.0	100	2.55				2.85			IO	I	WW2
KTW63	VM RF tetrode	6.3	0.30	250	7.6	100	1.5	3.0/40		1.50	250.0		300	IO	I	1938
KTW73M	VM RF tetrode	6.0	0.16	250	6.5	100	1.3	3.0		1.70				IO	I	1939
KTW74M	VM RF tetrode	13.0	0.16	250	7.6	100	1.5	3.0		1.50				IO	I	WW2
KTZ41	TV RF tetrode	4.0	1.50	250	18.0	250	5.3	1.5		12.00				B7	AF	1938
KTZ63	RF tetrode (Connected as triode)	6.6	0.30	250 250	2.0 8.0	100	0.50	3.0 8.0	1.5M 10.5	1.23 1.90	250.0 30.0		1200 1000	IO	I	1937
KTZ63/6J7G	RF pentode	6.3	0.30	250	1.0	100	0.25	2.0	1.5M	1.23	250.0		2200	IO	H	1938
KTZ73M	RF tetrode	6.0	0.16	250	2.0	100	0.25	3.0		1.50				IO	I	1939
L2/b (Marconi)	General-purpose triode	2.0*	0.10	150	6.0	—	—	3.0	10.0	1.55				B4	A	1931
L11	Midget AF triode	1.0*	0.10	100	2.8	—	—	12.0	12.5	0.40				Ct4	A	1934
L12	Midget AF triode	2.0*	0.06	45	2.2	—	—	4.5	6.0	0.80	10.0	12mW	2000	Sm4	A	1938
L21	Class B driver triode	2.0*	0.10	150	2.2	—	—	6.0	8.9	1.80	40.0			B4	A	1933
L30	AF triode	13.0	0.30	200	25.0	—	—	8.0	2.86	4.20	6.0			B7	R	1934
L63	General-purpose triode	6.3	0.30	250	9.0	—	—	8.0	7.7	2.60	50.0		800	IO	V	1938
L210	AF triode	2.0*	0.10	150	4.0	—	—	6.0	12.0	0.90		0.06		B4	A	1929
L410	AF triode	4.0*	0.10	150	3.9	—	—	4.5	8.5	1.76		0.07		B4	A	1929
L610	AF triode	6.0*	0.10	150	6.5	—	—	3.0	15.0	2.00		0.07		B4	A	1929
LP2	Output triode	2.0*	0.20	150	10.0	—	—	4.5	3.9	3.85	7.0	0.15	—	B4	A	1930

Type	Description	Filament		Anode		Auxiliary grid		Grid	r _a	g _m /g _c	R _L	P _o	R _k	Base		Year	
		Volts	Amps	Volts	mA	Volts	mA	−V	kΩ	mA/V	kΩ	Watts	Ω	Type	Ref.		
MARCONI-OSRAM cont																	
LP2/c (Marconi)	Output triode	2.0*	0.20	150	17.0	—	—	10.5	2.30	2.80				B4	A	1930	
LS5B	General-purpose triode	5.25*	0.80	60-400	7.0	—	—	3-9	25.0	0.80				B4	A	1927	
LS5X = CV1667	Power triode	6.0*	0.94	400		—	—		5.0	1.20				B4	A		
LS6A	Output triode	6.0*	1.60	400	63.0	—	—	91.0	1.3	2.30		5.0		B4	A	1929	
LS7 = CV1660	Repeater triode	4.0*	0.15	120		—	—	4.0	5.0	2.00				B4	A		
LS7B†	Repeater triode	4.0*	0.15	125	2.7	—	—	2.4	10.0	2.15				B4	A		
LS8 = CV1656	Repeater triode	4.0*	0.15	130		—	—	8.0	5.5	1.30				B4	A		
LS8A = CV1676	Repeater triode	4.0*	0.15	160		—	—		2.13	2.00				B4	A		
LS9B = CV1658	Medium-mu triode	2.0*	0.15	130		—	—	1.5	40.0	0.80				B4	A		
MH4 MH4 MH4 (Catkin)	Detector or AF triode (Improved version)	4.0	1.00	200 200 250	2.75 4.5 5.0	—	—	3.0 3.0 4.0	23.0 11.1 11.1	1.50 3.60 3.60			50.0	750	B5	A	1929 1931 1938
MH40	High-mu low microphony AF triode	4.0	1.00	200	2.7	—	—	3.0	18.7	2.40	50.0			B5	A	1936	
MH41	Detector or AF triode	4.0	1.00	200	5.2	—	—	1.5	13.3	6.00				B5	A	1933	
MHD4	Double diode triode	4.0	1.00	200	3.8	—	—	3.0	18.2	2.20				B7	G	1933	
MHL4	Detector or AF triode	4.0	1.00	200 200	8.5 7.00	—	—	6.0 6.0	8.0 8.0	2.00 2.50				B5	A	1929 1930	
MHLD6 = CV1101	Double diode triode	6.3	0.635	200	11.5	—	—	5.0	7.3	3.00				IO	AE	1940	
MKT4	Output beam tetrode	4.0	1.00	250	32.0	225	5.0	13.5		3.00	8.0	3.2	365	B5+st B7 Z	Q	1937	
ML4	AF or output triode (Improved version)	4.0	1.00	200 200	19.0 16.0	—	—	22.0 11.0	3.0 2.86	2.00 4.20	7.0	5.0	560	B5	A	1929 1931	
ML6 = CV1105	Output triode	6.0	0.70	250	25.0	—	—			3.80				B5	A	WW2	
MPT4	Output pentode	4.0	1.00	250	32.0	200	5.0	9.0	40.0	3.00	8.0	8.0		B5+st B7 Z	Q	1931 1933	
MPT4 (Catkin)	Output pentode	4.0	1.00	250	32.0	200	6.0	9.0	40.0	3.00	8.0	8.0		B5+st B7 Z	Q	1933 1933	
MPT41	Output pentode	4.0	1.00	250	32.0	200	9.0	6.0		5.50	8.0			B7	Z	1933	
MS4	RF tetrode	4.0	1.00	200	2.4	70	0.3	1.5	500.0	1.10				B5	B	1929	
MS4B MS4B (Catkin)	RF tetrode	4.0	1.00	200	3.4	80	1.2	1.0	350.0	3.20				B5	B	1931 1933	
MSP4	RF pentode	4.0	1.00	250	3.3	100	1.0	1.75		4.00	25.0		400	B5 B7	B E	1933 1933	
MSP41	TV RF pentode	4.0	1.00	250	8.5	240	3.2	4.0		3.20	100.0			B5 B7	B E	1936	

† From measurements made on four samples.

Type	Description	Filament		Anode		Auxiliary grid		Grid	r_a	g_m / g_c	R_L	P_o	R_K	Base		Year
		Volts	Amps	Volts	mA	Volts	mA	-V	k Ω	mA/V	k Ω	Watts	Ω	Type	Ref.	
MARCONI-OSRAM cont																
MX40	Heptode FC	4.0	1.00	mix250 osc150	2.75. 2.1	100	1.0	3/30		0.50^				B7	B	1934
N14	Output pentode	1.4*	0.10	90	7.0	90	1.7	7.0		1.55	8.0	0.25	700	IO	CF	1940
N15	Output pentode (Class AB1 push-pull)	1.4*	0.10•	90 90	7.0 12.0	90 90	1.7 4.7	7.0 11.0		1.55	8.0 16.0	0.25 0.56	— 2200	IO	CQ	1940
N16	Output pentode	1.4*	0.10•	90	9.5	90	1.3	4.5		2.10	8.0	0.27		IO	CQ	1940
N30 (Catkin)	Output pentode	13.0	0.30	250	32.0	250	8.0	15.0	330.0	3.90	7.5	3.0		B7	Z	1934
N30G	Output pentode	13.0	0.30	250	32.0	250	8.0	15.0	330.0	3.90	7.5	3.0		B7	Z	1934
N31	Output pentode	13.0	0.60•	200	40.0	180	10.6	4.4		10.00	5.5	2.5		B7	BE	1935
N34	Output pentode	13.0	0.45	250	40.0	250	6.0			10.5				B7	BH	
N40 (Prototype)	Output tetrode	4.0	1.00	250	32.0	250	7.5	15.0		2.90	7.9	3.5		B5+st B7	Q Z	1935
N41 (see KT41)	Output pentode	4.0	2.00	250	40.0	250	10.0	4.4		10.0	5.4	3.5		B7	Z	1935
N42 (as KT42)	Output pentode	4.0	1.00	250	34.0	250	6.0	10.5			7.0	2.0		B7	Z	1935
N43	AF or video output pentode	4.0	2.00	250	40.0	250	10.0	4.4		10.0	5.4	4.5	90	B7	Q	1936
N63 (= KT63)																
P2	Output triode	2.0*	0.20	150	19.0	—	—	10.0	2.15	3.50	4.5	0.3		B4	A	1930
P2/b (Marconi)	Output triode	2.0*	0.20	150	19.0	—	—	10.0	2.15	3.50		0.3		B4	A	1930
P.8	Output triode	0.8*	0.80	150	10.0	—	—	12.0	6.0	1.00		0.16		B4	A	1928
P215	Output triode	2.0*	0.15	150	9.0	—	—	12.0	5.0	1.40	12.0	0.15		B4	A	1929
P240	Output triode	2.0*	0.40	150	17.0	—	—	24.0	2.5	1.60	3.5	0.40		B4	A	1929
P410	Output triode	4.0*	0.10	150	9.0	—	—	10.5	5.0	1.50	12.0	0.17		B4	A	1929
P415	Output triode	4.0*	0.15	150	17.0	—	—	16.5	2.1	2.40	4.5	0.30		B4	A	1931
P425	Output triode	4.0*	0.25	150	17.0	—	—	16.5	2.3	1.90	5.0	0.30		B4	A	1928
P610	Output triode	6.0*	0.10	150	9.0	—	—	9.0	3.5	2.30	8.0	0.15		B4	A	1929
P625	Output triode	6.0*	0.25	250	24.0	—	—	26.0	2.4	2.50	6.4	0.90		B4	A	1928
P625A	Output triode	6.0*	0.25	180	25.0	—	—	39.0	1.6	2.30	6.0	0.80		B4	A	1928
PT2	Output pentode	2.0*	0.20	150	6.5	150	1.9	4.5	50.0	2.50	16.7	0.45		B4+st B5	U F	1931 1931
PT2/k	Output pentode	2.0*	0.20	150	9.5	150	1.9	4.5	50.0	2.50	20.0	0.50		B5	F	1934
PT4	Output pentode	4.0*	1.00	250	32.0	250	8.0	16.0	42.0	2.85	7.5	2.0	420	B5	F	1931
PT16	Output pentode	4.0*	1.00	300	53.0	300	10.0	15.0		4.80	15.0	6.3		B5	F	1933
PT25	Output pentode	4.0*	2.00	400	62.5	200	10.6	22.0	25.0	4.00	6.0	10.0	330	B5	F	1933
PT25H	Output pentode	4.0*	2.00	400	62.5	400	12.5	16.0	28.0	6.50	5.0	10.0	250	B5	F	1934

Type	Description	Filament		Anode		Auxiliary grid		Grid	r_a	g_m / g_c	R_L	P_o	R_k	Base		Year
		Volts	Amps	Volts	mA	Volts	mA	-V	k Ω	mA/V	k Ω	Watts	Ω	Type	Ref.	
MARCONI-OSRAM cont																
PT235	Output pentode	2.0*	0.35	150					55.0	1.65				B4+st	U	1928
PT240	Output pentode	2.0*	0.40	150	16.0	150	6.0	9.0	55.0	1.65		0.5		B4+st	U	1929
PT425	Output pentode	4.0*	0.25	150	15.0	150	6.1	7.5	50.0	2.00		0.64		B4+st	U	1929
PT625	Output pentode	6.0*	0.25	250	26.5	200	7.0	15.0	43.0	1.85		2.0		B5	F	1929
PX4	Output triode (Upgraded version) (Class A push-pull)	4.0*	0.60	200	50.0	—	—	33.0	1.1	3.30	2.8	1.1		B4	A	1929
		4.0*	1.00	250	48.0			34.0		6.00	3.0	2.5	830			1931
				300	50.0			50.0		6.00	3.5	4.5	1000			1946
				300	100.0			50.0			4.0	13.5	1000			1946
PX25	Output triode (Class A single-ended) (Class A push-pull)	4.0*	2.00	400	62.5	—	—	31.0	1265 Ω	7.50	3.20	6.0	530	B4	A	1932
				500	50.0			50.0	1265 Ω	7.50	5.50	8.5	1000			1946
				500	100.0						10.0	20	1000			1946
PX25A	Output triode	4.0*	2.00	400	62.5	—	—	100.0	580 Ω	6.90	4.8	8.4		B4	A	1934
QP21	QPP double pentode	2.0*	0.40	150	3.5	150	0.9	9.0		2.30	25.0	1.20		B7	L	1934
S2	VM RF tetrode	2.0*	0.10	120	6.0	70	2.5	0		1.25				B4	B	1932
S2/c (Marconi)	RF tetrode	2.0*	0.15	150	1.75	60			300.0	1.10				B4	B	1931
S.8	RF tetrode	0.8*	0.80	150	3.3	80		0-1	200.0	0.80				B4	B	1928
S12	Midget RF tetrode	2.0*	0.06	100	2.5	30	0.4	0	700.0	0.70				Sm4	B	1938
S21	RF tetrode	2.0*	0.10	150	2.0	70	1.5	1.5	200.0	1.10				B4	B	1931
S22	RF tetrode	2.0*	0.20	150	2.5	75	1.6	0-1.5	200.0	1.75				B4	B	1931
S23	RF tetrode	2.0*	0.10	150	2.8	70	0.7	0	300.0	1.10				B4	B	1933
S24	RF tetrode	2.0*	0.15	150	3.2	70	1.0	0	300.0	1.40				B4	B	1933
S215	RF tetrode	2.0*	0.10	150	3.00	80			200.0	0.85				B4	B	1928
S410	RF tetrode	4.0*	0.10	150	3.80	80		1.0	200.0	1.00				B4	B	1929
S610	RF tetrode	6.0*	0.10	150	4.30	80		1.0	200.0	1.05				B4	B	1929
S625	RF tetrode	6.0*	0.25	150	2.60	80		1.0	170.0					B3+B2	†	1927
VDP1	VM RF pentode	16.0	0.25	200	7.5	100	2.2	0.5/30		2.40				B7	E	1933
VDS	VM RF tetrode	16.0	0.25	200	11.0	80	1.2	0.5/30	250.0	2.40				B5	B	1932
VDSB	VM tetrode	16.0	0.25	200	5.5	80	0.6	1/25	250.0	3.00				B5	B	1933
VMP4	VM RF pentode	4.0	1.00	200	5.5	100	1.6	1/30	1M	3.50				B5	B	1934
														B7	E	1933
VMP4G	VM RF pentode	4.0	1.00	250	8.0	100	5.0	2/20		2.70	100.0		150	B7	E	1935
VMP4/k (Catkin)	VM RF pentode	4.0	1.00	250	8.0	100	4.0	0.5/30	1M	2.50				B7	E	1934
VMS4	VM RF tetrode (Improved version)	4.0	1.00	200	11.0	70	2.5	1.5/40		1.10				B5	B	1931
VMS4				200	10.0	80	2.1	0.5/30		2.60	30.0					1933
VMS4 (Catkin)					10.0	80	2.1	0.5/30		2.60	30.0					1933

† See *British Radio Valves. The Classic Years: 1926–1946*, Fig. 7.2, p.109.

Type	Description	Filament		Anode		Auxiliary grid		Grid	r_a	g_m / g_c	R_L	P_o	R_K	Base		Year
		Volts	Amps	Volts	mA	Volts	mA	-V	k Ω	mA/V	k Ω	Watts	Ω	Type	Ref.	
MARCONI-OSRAM cont																
VMS4B	VM RF tetrode	4.0	1.00	200	5.2	80	1.3	0.5/15		2.90	30.0			B5	B	1933
VP21	VM RF pentode	2.0*	0.10	150	1.58	60	0.4	0/9	1M	1.10				B7	D	1933
VS24	VM RF tetrode	2.0*	0.15	150	4.4	75	0.2	0/7	250.0	1.50				B4	B	1933
VS24/k	VM RF tetrode	2.0*	0.15	150	4.4	75	0.2	0/9	250.0	1.50				B4	B	1934
W21	VM RF pentode	2.0*	0.10	120	3.6	120	1.2	0/9		1.40	100.0			B4 B7	B BD	1937 1937
W30 (Catkin)	VM RF pentode	13.0	0.30	250	12.3	250	6.0	1/30	1M	4.00	100.0			B7	E	1934
W31	VM RF pentode	13.0	0.30	200	8.0	100	5.0	2/20		2.70	100.0			B7	E	1935
W42	VM RF pentode	4.0	0.60	250	7.6	100	1.9	3/40		1.50	100.0			B7	F	1936
W61	VM RF pentode	6.3	0.30	250	8.5	80	2.8	3/25	600.0	2.90				IO	H	PW
W63	VM RF pentode	6.3	0.30	250	7.6	100	1.9	3/40		1.50			300	IO	H	1937
W76	VM RF pentode	13.0	0.16	250	7.6	100	1.9	3/40	500.0	1.50	100.0		330	IO	H	PW
WD30	Double diode VM RF pentode	13.0	0.30	250	7.7	100	4.7	1.0		2.60	100.0			B9	I	1935
WD40	Double diode VM RF pentode	4.0	1.00	250	7.7	100	4.7	1/40		2.60				B9	I	1935
X14	Heptode FC	1.4*	0.10	mix90 osc90	0.45	45	0.6	0/3		0.25^				IO	CD	1940
X21	Heptode FC	2.0*	0.10	mix150 osc70	0.45 0.60	70	0.6	0/9		0.24^				B7	A	1934
X22	Heptode FC	2.0*	0.15	mix150 osc150	1.1	70		0/9		0.35^				B7	A	1937
X23	Triode hexode FC	2.0*	0.30	h150 t150	0.7 2.1	60		1.5		0.25^				B7	AK	1938
X24, X24M	Triode hexode FC	2.0*	0.20	h150 t100	0.7 2.1	60	1.7	1.5		0.25^				B7	C	1939
X30	Heptode FC	13.0	0.30	mix250 osc150	4.0 4.8	100	2.1	3/30		0.75^				B7	B	1934
X31	Triode hexode FC	13.0	0.30	h200 t100	1.6 2.2	70		1.5/20		0.55^				B7	C	1935
X32 = X30	Heptode FC	13.0	0.30											B7	B	1935
X41, X41C	Triode hexode FC	4.0	1.20	h250 t100	2.3 2.2	70	4.0	1.5/20		0.55^				B7	C	1935 1938
X42	Heptode FC	4.0	0.60	mix250 osc200	3.4 3.8	100	2.6	3/45		0.49^				B7	B	1936

Type	Description	Filament		Anode		Auxiliary grid		Grid	r _a	g _m / g _c	R _L	P _o	R _K	Base		Year
		Volts	Amps	Volts	mA	Volts	mA	−V	kΩ	mA/V	kΩ	Watts	Ω	Type	Ref.	
MARCONI-OSRAM cont																
X61M	Triode hexode FC	6.3	0.30	h250 t100	3.0 3.3	100	3.0	3/25		0.62^				IO	C	1940
X62	TV triode hexode FC	6.3	1.27	250		120		1.5	300.0	1.75^				IO	C	1939
X63, X63M	Heptode FC	6.3	0.30	h250 t100	3.4 3.8	100	2.6	3/45		0.49^				IO	A	1937 1939
X64	Heptode FC	6.3	0.30	250	3.6	150	9.5	6.0		0.31^				IO	B	1937
X65	Triode hexode FC	6.3	0.30	h250 t100	1.75 4.75	100	4.5	3/45		0.23^				IO	C	1937
X66 = CV1099	Triode hexode (Selected X65)	6.3	0.30	h250		100				0.23^				IO	C	1940s
X71M	Triode hexode FC	15.0	0.16	h250 t100	4.0 3.5	100	3.5	3/25		0.62^				IO	C	1939
X73M	Heptode FC	6.0	0.16	mix250 osc100		80		3.0		0.50^				IO	A	1939
X75	Triode hexode FC	15.0	0.16	250		100		3.0	2.5M	0.225^				IO	C	1939
X76M	Triode hexode FC	13.0	0.16	h175 t100	4.0 3.5	70	3.0	3/25	700.0	0.62^				IO	C	PW
Z14	RF pentode	1.4	0.05	90	1.2	90	0.24	0	1.5M	0.75				IO	CE	1940
Z21 = KTZ21	RF pentode	2.0*	0.10	150	2.5	120	0.8	0.5		1.70	100.0			B4	B	1937
Z22	RF pentode	2.0*	0.10	150	2.5	120	0.7	0		1.40				B7	D	1938
Z62	VHF RF pentode	6.3	0.45	300	10.0	150	2.3	2.0	750.00	7.50				IO	H	1939
Z63 (= KTZ63)	RF pentode	6.3	0.30	250	2.0	100	0.50	3.0	1.5M	1.23			2200	IO	H	1937
Z66	RF pentode	6.3	0.63	200	8.0	200	2.0	1.85	1.5M	7.50			180	IO	H	PW
ZA1	Acorn UHF pentode	4.0	0.25	250	2.0	100	0.7	3.0	1.5M	1.40				7AA	A	1937
ZA2	Acorn UHF pentode	6.3	0.15	250	2.0	100	0.7	3.0	1.5M	1.40				7AA	A	1939

Type	Description	Filament		Anode		Auxiliary grid		Grid	r _a	g _m / g _c	R _L	P _o	R _K	Base		Year
		Volts	Amps	Volts	mA	Volts	mA	−V	kΩ	mA/V	kΩ	Watts	Ω	Type	Ref.	
MAZDA																
215SG	RF tetrode	2.0*	0.15	150	2.6	60		0	270.0	1.10				B4	B	1929
230Pen	Output pentode	2.0*	0.30	150	8.0	125	2.0	9.0		1.50		0.35		B4+st	Z	1929
425Pen	Output pentode	4.0*	0.25	150	18.0	150	5.0	12.0		2.00		0.75		B4+st	Z	1929
A40	Acorn UHF triode	4.0	0.25	100		—	—			2.00				5AA	A	1939
A41	Acorn UHF pentode	4.0	0.25	250		100				2.00				7AA	A	1939
AC/2HL	Detector or AF triode	4.0	1.00	200	3.6	—	—	2.0	11.5	6.50				B5	A	1932
AC/2Pen	Output pentode	4.0	1.75	250	32.0	250	6.0	5.3	110.0	8.50	6.7	3.5	140	B7	Z	1933
AC/2Pen DD	Double diode output pentode	4.0	2.00	250	32.0	250	6.0	5.3	110.0	8.50	6.7	3.5	140	B7	I	1934
AC3/Pen	Output Pentode	4.0	1.75	250		250				9.00				B7	Z	1936
AC/4Pen	Output beam tetrode	4.0	1.75	250	64.0	250	13.0	8.8	20.0	11.00	3.4	7.0	115	B7	Z	1937
AC/5 Pen	Output beam tetrode	4.0	1.75	250	40.0	250	7.5	8.5		9.40	5.2	4.85	180	B7	Z	1938
AC/5 Pen DD	Double diode output beam tetrode	4.0	2.00	250	40.0	250	7.5	8.5		9.40	5.2	4.85	180	B7	I	1938
AC6/Pen	Line t/b beam tetrode	4.0	1.75	310	63.0	210	14.0	6.9		8.50			90	B7	AM	1938
AC/DD	Double diode	4.0	1.00			—	—							B5	C	1932
AC/HL	Detector or AF triode	4.0	1.00	200	6.0	—	—	3.0	13.5	2.60				C5	A	1929
				200	3.7			4.0	11.7	3.00				B5	A	1929
AC/HL DD	Double diode triode	4.0	1.00	200	4.3	—	—	3.0	13.8	2.60				B7	G	1933
AC/HL DDD	Triple diode triode	4.0	1.00	200	4.9	—	—	3.0	13.0	2.70				B9	E	1934
AC/P	Output triode	4.0	1.00	200	20.0	—	—	12.0	2.65	3.75	6.1	0.65		C5 B5	A A	1929
AC/P1	Output triode	4.0	1.00	200	16.0	—	—	30.0	2.0	2.50	5.0	1.0	1150	B5	A	1929
				200	24.0			28.0	2.2	2.30		1.0				1934
AC/P4	Output triode (for line & frame timebases)	4.0	1.00	700		—	—			7.00				B5	I	1937
AC/Pen	Output pentode	4.0	1.00	250	30.0	200	5.0	10.0	75.0	2.50	8.0	1.9	410	B5+st	Q	1930
				250	32.0	250	6.0	15.5		2.70	7.5	3.3		B7	Z	1933
AC/S1 VM	VM RF tetrode	4.0	1.00	200	4.5	75	0.8	1.5	700.0	1.10				B5	B	1932
AC/S2	RF tetrode	4.0	1.00	200	6.2	80		0	600.0	5.00				B5	B	1931
AC/S2 Pen	RF pentode for FC	4.0	1.00	250	6.5	100	2.2		1.5M	5.50				B7	E	1933
AC/SG	RF tetrode	4.0	1.00	200	4.2	75	0.8	0	400.0	3.00				B5	B	1929
				200	4.5	60		0	895.0							1932
AC/SG VM	VM RF tetrode	4.0	1.00	200	5.0	60	0.9	2.0	700.0	2.00				B5	B	1932
AC/SP1	RF pentode	4.0	1.00	200	4.9	200	4.1	3.0	120.0	2.65				B7	E	1936
AC/SP3	RF pentode for TV & HF	4.0	1.00	250	7.9	100	2.5	1.7	550.0	7.00				B7	F	1937

Type	Description	Filament		Anode		Auxiliary grid		Grid	r_a	g_m / g_c	R_L	P_o	R_K	Base		Year
		Volts	Amps	Volts	mA	Volts	mA	-V	k Ω	mA/V	k Ω	Watts	Ω	Type	Ref.	
MAZDA cont																
AC/TH1	Triode heptode FC	4.0	1.30	h250 t80	3.0 4.0	100	6.0	3.0	1.6M 3.0	0.75^ 5.3				B7	C	1936
AC/TH1A	Triode heptode FC (forerunner of TH41)	4.0	1.30	h250 t80	3.0 4.5	100	6.0	3.0	1.6M 3.0	0.75^ 5.3				MO	M	1938
AC/TP	Triode pentode FC	4.0	1.25	p250 t200	6.5 1.5	200	2.5	5.0	900.0 21.5	0.70^ 1.40				B9	B	1934
AC/VP1	VM RF pentode	4.0	0.65	250	8.8	250	2.2	4.0	1M	2.00				B5 B7	E	1934 1934
AC/VP2	VM RF pentode	4.0	0.65	250	7.4	200	1.85	2.8	1M	2.00				B7	F	1936
D1	Television diode	4.0	0.20	125	5.0	—	—							B3G	A	1937
DC/2HL DD	Double diode triode	25.0	0.10	200		—	—		15.0	2.00				B7	G	1933
DC/2P	Output triode	35.0	0.10	200	17.0	—	—	13.5	2.2	4.50	6.0	0.65		B5	A	1931
DC/2Pen	Output pentode	35.0	0.10	250	30.0	200	5.0	10.0		2.50	10.0	2.3		B5+st B7 Z	Q	1931
DC/2SG	RF tetrode	20.0	0.10	200 200	4.25 7.3	60 60	1.5	1.5	800.0 510.0	1.50 1.80				B5	B	1932 1933
DC/2SG VM	VM RF tetrode	20.0	0.10	200	5.0	60	0.9	1.5	830.0	1.50				B5	B	1932
DC/3HL	Detector or AF triode	25.0	0.10	200	5.0	—	—	3.5	11.7	3.00				B5	A	1931
DC/HL	Detector or AF triode	6.0	0.50	200	5.6	—	—	3.0	13.0	2.70				B5	A	1931
DC/P	Output triode	8.0	0.50	200	16.0	—	—	14.0	2.2	4.50	6.0	0.65		B5	A	1931
DC/Pen	Output pentode	8.0	0.50	250	30.0	200	5.0	10.0		3.50	10.0	2.0		B5+st		1931
DC/SG	RF tetrode	6.0	0.50	200 200	4.5 3.5	80 60	0.7	0	363.0 810.0	2.75 1.80				B5	B	1931 1933
DD.41	Double diode	4.0	0.50	175	5.0	—	—							MO	N	1938
DD.101	Double diode	10.0	0.20			—	—							MO	N	1938
DD.207	Double diode	2.0*	0.075		2.0	—	—							B4	E	1937
DD620	Double diode	6.0	0.20		1.0	—	—							B5	C	1934
FC141	Heptode FC	1.4*	0.05	mix82 osc75	0.55 1.2	45	0.6	0	600.0	0.25^				MO	E	1939
GP210	General-purpose triode	2.0*	0.10	120		—	—		14.0	0.90				B4	A	1928
GP407	General-purpose triode	4.0*	0.07	120		—	—		14.0	1.00				B4	A	1928
GP607	General-purpose triode	6.0*	0.07			—	—		12.5	1.00				B4	A	1928
H2	General-purpose triode	2.0*	0.10	150	0.8	—	—	1.5	45.0	1.10				B4	A	1932
H141D	Single diode AF triode	1.4*	0.05	90	0.1	—	—	0.6	260.0	0.25				MO	F	1939
H210	General-purpose triode	2.0*	0.10	150	2.0	—	—	0	59.0	0.80				B4	A	1929

Type	Description	Filament		Anode		Auxiliary grid		Grid	r_a	g_m / g_c	R_L	P_o	R_K	Base		Year
		Volts	Amps	Volts	mA	Volts	mA	-V	k Ω	mA/V	k Ω	Watts	Ω	Type	Ref.	
MAZDA cont																
H607	RF or RCC triode	6.0*	0.07	150	1.2	—	—	0	90.0	0.45				B4	A	1929
H610	RF or RCC triode	6.0*	0.10	150	1.6	—	—	0	66.0	0.60				B4	A	1930
HF210	General-purpose triode	2.0*	0.10	150		—	—		28.0	0.70				B4	A	1928
HF407	General-purpose triode	4.0*	0.07	150		—	—		21.0	0.85				B4	A	1928
HF607	General-purpose triode	6.0*	0.07	150		—	—		20.0	1.00				B4	A	1928
HL2	General-purpose triode	2.0*	0.10	150	2.0	—	—	2.0	24.0	1.35				B4	A	1931
HL21/DD	Double diode triode	2.0*	0.15	150	2.0	—	—	2.0	25.0	1.30				B5	E	1934
HL22	General-purpose triode	2.0*	0.10	150	2.0	—	—	2.0	25.0	1.30				MO	B	1938
HL22/DD	Double diode triode	2.0*	0.10	150	2.0	—	—	2.0	25.0	1.30				MO	G	1938
HL23	General-purpose triode	2.0*	0.05	150	1.5	—	—	2.4	27.0	1.20				MO	B	1938
HL23/DD	Double diode triode	2.0*	0.05	150	1.5	—	—	2.8	24.0	1.05				MO	G	1938
HL41	Oscillator or RCC triode	4.0	0.65	250	7.0	—	—	4.5	11.5	3.10				MO	R	1938
HL41/DD	Double diode triode	4.0	0.65	250	6.0	—	—	5.2	13.5	2.20				MO	K	1938
HL42/DD	Double diode VM triode	4.0	0.65	65	2.8	—	—	1.25	12.5	1.85				MO	K	1939
HL133	AF triode	13.0	0.20	200	6.0	—	—	3.3	12.5	3.40				MO	U	1938
HL133/DD	Double diode triode	13.0	0.20	250	6.0	—	—	5.4	14.0	2.50				MO	K	1938
HL134/DD	Double diode triode	13.00	0.20	250	6.0	—	—	5.4	14.0	2.30				MO	K	
HL210	General-purpose triode	2.0*	0.10	150	1.7	—	—	3.0	18.5	1.40				B4	A	1929
HL607	General-purpose triode	6.0*	0.07	150	1.6	—	—	3.0	20.0	1.00				B4	A	1929
HL610	General-purpose triode	6.0*	0.10	150	1.4	—	—	3.0	20.0	1.10				B4	A	1930
HL1320	Detector or AF triode	13.0	0.20	250	6.0	—	—	3.3	10.0	3.00				B7	Y	1934
HL/DD 1320	Double diode triode	13.0	0.20	200	4.3	—	—	3.0	16.0	1.90				B7	G	1934
L2	Detector or AF triode	2.0*	0.10	150	4.0	—	—	4.0	12.5	1.50				B4	A	1931
L2/DD	Double diode triode	2.0*	0.10	150	1.9	—	—	6.0	10.0	1.60				B5	E	1933
L21/DD	Double diode triode	2.0*	0.15	150	4.0	—	—	4.2	12.0	1.55				B5	E	1934
L22 DD	Double diode triode	2.0*	0.10	150	4.0	—	—	4.2	12.0	1.55				MO	G	1939
L210	AF triode	2.0*	0.10	150	3.7	—	—	4.5	10.0	1.70				B4	A	1929
LF215	AF triode	2.0*	0.15	120		—	—		7.0	1.00				B4	A	1928
LF407	AF triode	4.0*	0.07	120		—	—		5.7	1.40				B4	A	1928
LF607	AF triode	6.0*	0.07	120		—	—		5.3	2.60				B4	A	1928
P41	Oscillator triode for TV	4.0	0.95	250	16.0	—	—	11.8	3.7	4.5				MO	R	1938
P61	Oscillator triode for TV	6.3	0.60	250	16.0	—	—	11.8	3.7	4.5				MO	R	1941
P215	Output triode	2.0*	0.10	150	5.8	—	—	13.5	6.5	1.10	11.0	0.15		B4	A	1933

Type	Description	Filament		Anode		Auxiliary grid		Grid	r _a	g _m / g _c	R _L	P _o	R _K	Base		Year
		Volts	Amps	Volts	mA	Volts	mA	−V	kΩ	mA/V	kΩ	Watts	Ω	Type	Ref.	
MAZDA cont																
P220	Output triode	2.0*	0.20	150	8.0	—	—	6.0	3.7	3.40	8.0	0.14		B4	A	1929
				150	5.5			7.0	5.6	2.20	10.0	0.15				1934
P220A	Output triode	2.0*	0.20	150	15.0	—	—	14.0	2.4	2.70	4.1	0.35		B4	A	1930
P227	Output triode	2.0*	0.27	120		—	—		2.9	1.40				B4	A	1928
P240	Output triode	2.0*	0.40	150	11.0	—	—	13.5	1.9	3.70	5.6	0.35		B4	A	1929
P415	Output triode	4.0*	0.15	120		—	—		2.9	1.90				B4	A	1928
P425	Output triode	2.0*	0.25	150	13.5	—	—	27.0	1.9	1.80	4.0	0.36		B4	A	1929
P615	Output triode	6.0*	0.15	120		—	—		2.6	2.30				B4	A	1928
P625A	Output triode	6.0*	0.25	200	19.0	—	—	30.0	1.6	2.50	4.7	0.8		B4	A	1929
P625B	Output triode	6.0*	0.25	200	17.0	—	—	17.0	2.5	2.80	5.5	0.55		B4	A	1929
P650	Output triode	6.0*	0.50	200	23.5	—	—	40.0	1.3	2.70	3.5	1.1		B4	A	1929
PA20	Output triode	2.0*	2.00	250	50.0	—	—	27.5	1.0	6.50	2.2	2.75		B4	A	1936
				300	48.0			36.0	1.1	5.20	3.0	4.2	750			1939
PA40	Output triode	4.0*	2.00	450	107.0	—	—	96.5	425Ω	4.50	4.0	40.0		B4	A	1937
PD220	Class B double triode	2.0*	0.20	150	0.4	—	—	1.15			11.5	2.85		B7	K	1933
PD220A	Class B double triode	2.0*	0.20	150	1.25	—	—	6.0			10.0	2.9		B7	K	1933
Pen24	Output pentode	2.0*	0.30	120	5.0	120	1.0	3.3		4.00	15.0	0.44		MO	C	1938
Pen25	Output pentode	2.0*	0.15	120	5.0	120	1.0	3.6	350.0	3.00	14.0	0.4		MO	C	1938
Pen44	Output beam tetrode (triode connection) (Class AB1 push-pull)	4.0	2.10	260	70.0	270	12.0	11.1		10.6	3.0	8.0	134	MO	V	1939
				275	57.0			13.6	1.2	11.5	2.4	3.2	240			
				300	155.0	275	50.0	12.2			5.0	24.0	—			
Pen45 (later 6P25 with IO base)	Output pentode (Triode connection) (Class AB1 push-pull)	4.0	1.75	250	40.0	250	8.0	8.5	40.0	8.80	5.0	4.5	180	MO	V	1938
				250	35.0			9.8	1.9	9.30	3.5	1.7	280			
				250	95.0	250	28.0	8.5			7.0	12.0	—			
Pen45/DD	Double diode output pentode	4.0	2.00	250	40.0	250	8.0	8.5	40.0	8.80	5.0	4.5	180	MO	Q	1938
Pen46	Line t/b beam tetrode	4.0	1.75	315	63.0	210	14.0	6.9		8.50				MO	P	1940
Pen141	Output pentode	1.4*	0.10	90	5.5	90	1.1	9.0		1.40	10.0	0.24		MO	C	1939
Pen220	Output pentode	2.0*	0.20	150	9.0	150	2.0	4.5		2.50	17.0	0.5		B4+st	U	1931
				150	9.0	150	1.6	4.5		2.20	14.0	0.6		B5	F	1933
Pen220A	Output pentode	2.0*	0.20	150	18.0	150	4.0	9.0		2.50	7.5	1.0		B4+st	U	1931
				150	18.0	150	3.6	9.0	270.0	2.20	6.0	1.1		B5	F	1933
Pen230	Output pentode	2.0*	0.30	150	10.5	125	2.0	7.5		1.50	10.0	0.35		B4+st	U	1931
Pen231	Output pentode	2.0*	0.30	110	4.6	110	0.9	2.2	500.0	5.30	19.0	0.29		B5	F	1936
Pen383	Output beam tetrode	38.0	0.20	160	64.0	175	13.0	10.0		10.50	2.6	3.75	130	MO	V	1938
Pen384	Output beam tetrode	38.0	0.20	110	40.0	110	2.9	7.0		7.80	2.2	1.9	160	MO	V	1946
Pen425	Output pentode	4.0*	0.25	150	18.0	150	4.0	12.0		2.0	7.0	0.80		B4+st	U	1931

Type	Description	Filament		Anode		Auxiliary grid		Grid	r_a	g_m/g_c	R_L	P_o	R_K	Base		Year
		Volts	Amps	Volts	mA	Volts	mA	-V	k Ω	mA/V	k Ω	Watts	Ω	Type	Ref.	
MAZDA cont																
Pen453/DD	Double diode output beam tetrode	45.0	0.20	160	64.0	175	13.0	10.0		10.5	2.6	3.75	130	MO	Q	1938
Pen1340	Output pentode	13.0	0.40	240	41.0	240	8.0	8.6	80.0	6.40	5.5	3.5	175	B7	Z	1935
Pen3520	Output pentode	35.0	0.20	200	40.0	200	8.0	8.0	67.0	7.30	4.4	3.0	165	B7	Z	1935
Pen3820	Output beam tetrode	38.0	0.20	160	64.0	175	13.0	10.0		10.5	2.6	3.75	130	B7	Z	1938
Pen/DD61†	See AC2/PenDD	6.3	2.00											B7	I	
Pen/DD 1360	Double diode output pentode	13.0	0.60	250	32.0	250	6.0	5.3	100.0	8.20	6.7	3.5	140	B7	I	1935
Pen/DD 2530†	See Pen/DD 4020	25.0	0.30											B7	I	1936
Pen/DD 4020	Double diode output pentode	40.0	0.20	240	43.0	250	8.5	7.75		7.80	4.8	3.9	150	B7	I	1935
Pen/DD 4021	Double diode output pentode	45.0	0.20	160	64.0	175	13.0	10.0		10.5	2.6	3.75	130	B7	I	1937
PP3/250	Output triode	4.0	1.00	250 300	40 45.0	—	—	32.0 37.0	1.0 1.1	6.50 5.20	2.3 3.0	2.5 4.2	770	B4	A	1932 1939
PP3/425	Output triode	7.5*	1.25	425	28.0	—	—	100.0	2.9	1.00	10.4	3.0		B4	A	1929
PP5/400	Output triode	4.0*	2.00	400	63.0	—	—	32.0	1.5	6.00	2.7	5.9		B4	A	1931
PP3521	Output triode	35.0	0.20	200	70.0	—	—	25.0	950 Ω	6.30	2.0	2.3	360	B7	R	1935
PX650	Output triode	6.0*	0.50	200		—	0.43		1750 Ω	2.00				B4	A	1928
QP25	Double output pentode	2.0*	0.20	120	2.3	120	0.25	—			15.5	1.2		MO	I	1939
QP230	Double output pentode	2.0*	0.30	120	2.3	120	0.60	9.6			17.0	0.85		B7	L	1936
QP240	Double output pentode	2.0*	0.40	150	2.0	130.5	0.45	10.3		4.0	15.0	2.25		B9	D	1934
RC210	RCC triode	2.0*	0.10	150		—	—		86.0	0.47				B4	A	1928
RC407	RCC triode	4.0*	0.07	150		—	—		100.0	0.40				B4	A	1928
RC607	RCC triode	6.0*	0.07	150		—	—		90.0	0.45				B4	A	1928
S215A	RF tetrode	2.0*	0.15	150	2.0	60	0.30	0	720.0	1.10				B4	B	1931
S215B	RF tetrode	2.0*	0.15	150	1.5	60	0.30	1.0	410.0	1.70				B4	B	1931
S215 VM	VM RF tetrode	2.0*	0.15	150	2.8	60		0	500.0	1.40				B4	B	1932
SG207	RF tetrode	2.0*	0.07	150		80				0.40				B4	B	1929
SG215	RF tetrode	2.0*	0.15	150	1.5	60	0.25	1.5	455.0	1.10				B4	B	1931
SP22	RF pentode	2.0*	0.10	120	1.1	120	0.38	1.0	1.35M	1.20				MO	A	1938
SP41	RF pentode for TV	4.0	0.95	200	10.9	200	2.7	1.5	700.0	8.50				MO	L	1938
SP42	Video output pentode	4.0	0.95	200	20.0	115	5.0	1.25		8.40				MO	L	1938
SP61	RF pentode for TV	6.3	0.60	200	10.9	200	2.7	1.5	700	8.50				MO	L	1941
SP62	Video output pentode	6.3	0.60	200	20.0	115	5.0	1.25		8.40				MO	L	1946
SP141	RF pentode	1.4*	0.05	83	1.3	83	0.50	0	600.0	0.75				MO	D	1939

†Both of these were made for Philco.

Type	Description	Filament		Anode		Auxiliary grid		Grid	r_a	g_m / g_c	R_L	P_o	R_k	Base		Year
		Volts	Amps	Volts	mA	Volts	mA	-V	k Ω	mA/V	k Ω	Watts	Ω	Type	Ref.	
MAZDA cont																
SP181	RF pentode	18.0	0.20	200	10.9	200	2.7	1.5	700.0	8.50				MO	L	1940
SP210	RF pentode	2.0*	0.10	120	1.1	120	0.33	1.0	2M	1.20				B7	D	1936
SP215	RF tetrode	2.0*	0.15	150	2.1	80	0.70	1.5	800.0	1.60				B7	D	1934
SP1320	RF pentode	13.0	0.20	250	4.5	100	0.90		1M	2.50				B7	E	1934
SP2220	RF pentode	22.0	0.20	250	4.9	200	4.1	3.0	120.0	2.65				B7	E	1936
TH41	Triode heptode FC	4.0	1.30	h250 t80	3.0 5.0	100	6.0	3.0	1.6M	0.65^				MO	M	1939
TH233	Triode heptode FC	23.0	0.20	h175 t80	2.6 4.5	100	5.6	3.0	1.3M	0.64^				MO	M	1939
TH2320	Triode heptode FC	23.0	0.20	h150 t80	3.0 4.5	100	6.0	3.0	1.2M	0.75^				B7	C	1936
TH2321	Triode heptode FC	23.0	0.20	h150 t80	3.0 4.5	100	6.0	3.0	1.0M	0.65^				B7	C	1938
TP22	Triode pentode FC	2.0*	0.25	p150 t150	1.2 0.7	60	0.4	1.5	1.6M 24.0	0.50^ 1.40				B9	A	1934
TP23	Triode pentode FC	2.0*	0.25	p120 t80	0.55 2.5	60	0.95	1.5	1.6M	0.25^				B7	AK	1937
TP25	Triode pentode FC	2.0*	0.20	p120 t80	0.58 2.5	60	0.92	1.5	1.3M	0.26^				MO	Y	1938
TP26	Triode pentode FC	2.0*	0.20	p103 t65	1.2 0.9	65	0.3	2.0	1.4M	0.55^				MO	X	1939
TP1340	Triode pentode FC	13.0	0.40	p250 t200	6.5 1.5	200	2.5	5.0	900.0 21.5	0.7^ 1.4				B9	B	1935
TP2620	Triode pentode FC	26.0	0.20	p250 t200	6.5 1.5	200	2.5	5.0	900.0 21.5	0.65^ 1.40				B9	B	1934
TS215 (was BTH BTS215)	Det triode & AF triode (Two-Stage)	2.0*	0.15	120 120	 7.0	—	—	1.0 6.0	100.0 7.0	0.27 0.90				B4+2st	X	1929
V257 = CV1723	RF pentode	2.0*	0.15	150		150				2.30				IO	A	
V312	Low noise AF triode	4.0	0.65	250	6.0	—	—	4.8	13.0	2.30				B5	N	1939
V339 (CV3767)	High- μ voltmeter triode	4.0	0.58	250		—	—		43.0	1.70				B7	F	
V453	Pentode	4.0	0.65	250	4.5	100	0.8	1.75		2.00				MO	L	PW
V503 = PA40	Output triode (Class AB1 push-pull)	4.0*	2.00	450	110.0	—	—	96.5	0.425	4.50	4.0	40.0		B4	A	1948
V872 = CV1116	RF pentode	6.3	0.63	250		250				4.00				MO	L	WW2
V914	Double diode	4.0	0.30		1.0	—	—							B5	C	1934
V1135B (CV345) Became 12E1	Series regulator tetrode	6.3	1.60	150	200.0	150	12.0	9.5		12.50				IO	AP	1946

Type	Description	Filament		Anode		Auxiliary grid		Grid	r_a	g_m / g_c	R_L	P_o	R_K	Base		Year
		Volts	Amps	Volts	mA	Volts	mA	-V	k Ω	mA/V	k Ω	Watts	Ω	Type	Ref.	
MAZDA cont																
V1505	See STC 4212E															
VP22	VM RF pentode	2.0*	0.10	120	1.2	60	0.32	1.5	1.3M	0.80				MO	A	1938
VP23	VM RF pentode	2.0*	0.05	120	1.45	60	0.5	1.5	1.45M	1.08				MO	A	1938
VP41	VM RF pentode	4.0	0.65	250	7.7	200	2.0	2.7	1.3M	6.50				MO	L	1938
VP133	VM RF pentode	13.0	0.20	150	8.0	150	2.2	2.7	700.0	2.10				MO	L	1938
VP210	VM RF pentode	2.0*	0.10	120	1.8	70	0.63	1.5	890.0	1.40				B7	D	1936
VP215	VM RF tetrode	2.0*	0.15	150	2.5	80	0.8	1.5	800.0	1.25				B7	D	1934
VP1320	VM RF pentode	13.0	0.20	250	5.0	100	1.2	1.7	2M	2.00				B7	E	1934
VP1321	VM RF pentode	13.0	0.20	250	8.8	250	2.2	4.0	1M	3.00				B7	E	1934
VP1322	VM RF pentode	13.0	0.20	250	8.8	250	2.2	4.0	1M	3.00				B7	F	1936

Type	Description	Filament		Anode		Auxiliary grid		Grid	ra	gm / gc	R _L	P _o	R _k	Base		Year
		Volts	Amps	Volts	mA	Volts	mA	-V	kΩ	mA/V	kΩ	Watts	Ω	Type	Ref.	
MÉTAL																
6/100	General-purpose triode	4.0*	0.06	20-80		—	—		19.0	0.45				B4	A	
6/100F	Bi-grid	3.8-4.0*	0.06	5-25												
C.L.62	General-purpose triode	1.8-2.0*	0.06	20-60		—	—		25.0	0.16				B4	A	
C.L.104	Output triode	4.0*	0.10			—	—							B4	A	
C.L.152	General-purpose triode	1.8-2.0*	0.15	20-60		—	—		30.0	0.30				B4	A	
C.L.202	General-purpose triode	1.8-2.0*	0.20	20-100		—	—		25.0	0.28				B4	A	
T.M.	General-purpose triode	4.0*	0.37	40-80		—	—		19.0	0.45				B4	A	
MICROMESH																
5B1	RF tetrode	2.0*	0.18	150	0.5	75	0.15		400.0	1.25				B4	B	1933
7A2	Output pentode	4.0	1.20	250	32.0	250	8.0	17.0			8.0	3.0		B7	Z	1933
8A1	RF pentode	4.0	1.00	250	3.5	100	1.9		375.0	4.00				B5	B	1933
9A1	VM RF pentode	4.0	1.00	250	5.0	100	2.0	1.5	600.0	4.25				B5	B	1933
9A3	VM RF pentode	4.0	0.65	250	10.0	125	3.0	2.0	600.0	1.80				B7	F	1934
11A2	Double diode triode	4.0	1.00	200	3.0	—	—	2.0	18.0	2.80				B7	G	1933
15A2	Heptode FC	4.0	0.65	250 200	3.5	100	2.0	3.0	300.0	0.6 [^] 0.75				B7	B	1934
HLB1	Detector triode	2.0*	0.10	150	2.0	—	—	3.0	16.0	1.50				B4	A	1933
HLA1	Detector or AF triode	4.0	1.00	200	5.0	—	—	1.0	16.0	8.00				B5	A	1933
HLA2	Detector or AF triode	4.0	1.00	200	6.0	—	—	2.5	9.0	5.50				B5	A	1933
PA1	Output triode	4.0	1.00	200	40.0	—	—	10.5	1050Ω	12.00	4.0	1.25		B5	A	1933
PB1	Output triode	2.0*	0.10	125	7.0	—	—	6.0	4.0	2.00	10.0	0.15		B4	A	1933
PenA1	Output pentode	4.0*	1.00	250	32.0	250	7.0	16.0			8.0	2.85		B5	F	1933
PenB1	Output pentode	2.0*	0.20	150	8.0	150	1.8	4.5	4.0	4.00	18.0	0.50		B5	F	1933
SGA1	RF tetrode	4.0	1.00	200	6.0	100	1.5		500.0	3.00				B5	B	1933
VSGA1	VM RF tetrode	4.0	1.00	200	7.0	100	1.8	1.5	200.0	6.15				B5	B	1933

Type	Description	Filament		Anode		Auxiliary grid		Grid	r_a	g_m / g_c	R_L	P_o	R_K	Base		Year
		Volts	Amps	Volts	mA	Volts	mA	-V	k Ω	mA/V	k Ω	Watts	Ω	Type	Ref.	
Midland																
2V D.E.H.F.	RF triode	2.0*	0.25			—	—		58.0	0.29				B4	A	1927
2V D.E.L.F.	Detector or a.f. triode	2.0*	0.25			—	—		18.5	0.28				B4	A	1927
4V B.E.H.F.	RF triode	4.0*	0.50			—	—		52.0	0.35				B4	A	1927
4V B.E.L.F.	Detector or a.f. triode	4.0*	0.50			—	—		12.0	0.60				B4	A	1927
4V D.E.H.F.	RF triode	4.0*	0.20			—	—		52.0	0.35				B4	A	1927
4V D.E.L.F.	Detector or a.f. triode	4.0*	0.20			—	—		12.0	0.42				B4	A	1927
M.P.2	Output triode	2.0*	0.34			—	—		12.0	0.42				B4	A	1927
M.P.4	Output triode	4.0*	0.50			—	—		14.5	0.34				B4	A	1927
P.2	Output triode	2.0*	0.40			—	—		10.0	0.57				B4	A	1927
P.6	Output triode	6.0*	0.25			—	—		6.5	0.85				B4	AA	1927
MONOTONE																
HF	RF or detector triode	2.0*				—	—							B4	A	1928
LF	AF triode	2.0*				—	—							B4	A	1928
Power	Output triode	2.0*				—	—							B4	A	1928
RCC	RCC triode	2.0*				—	—							B4	A	1928
HF	RF or detector triode	4.0*				—	—							B4	A	1928
LF	AF triode	4.0*				—	—							B4	A	1928
Power	Output triode	4.0*				—	—							B4	A	1928
RCC	RCC triode	4.0*				—	—							B4	A	1928
HF	RF or detector triode	6.0*				—	—							B4	A	1928
LF	AF triode	6.0*				—	—							B4	A	1928
Power	Output triode	6.0*	0.10	120		—	—	7.5-12	4.75	1.05				B4	A	1928
RCC	RCC triode	6.0*				—	—							B4	A	1928

Type	Description	Filament		Anode		Auxiliary grid		Grid	ra	gm / gc	R _L	P _o	R _k	Base		Year
		Volts	Amps	Volts	mA	Volts	mA	−V	kΩ	mA/V	kΩ	Watts	Ω	Type	Ref.	
MULLARD																
2D2	Double diode (IH)	2.0	0.09	90	0.5	—	—							B5	C	1936
2D4	Double diode	4.0	0.65	200	0.8	—	—							B5	R	1934
2D4A	Double diode	4.0	0.65	140	0.8	—	—							B5	C	1934
2D4B	Double diode (separate cathodes)	4.0	0.35	140	0.8	—	—							B7	W	1937
2D13	Double diode	13.0	0.20	200	0.8	—	—							Ct5	B	1934
2D13A	Double diode	13.0	0.20	200	0.8	—	—							Ct5	A	1935
2D13C	Double diode	13.0	0.20	200	0.8	—	—							B5	C	1935
054V	Output triode	4.0	1.00	200	30.0	—	—	28.0	1.25	4.00	4.0	1.0		B5	A	1931
104V	Output triode	4.0	1.00	200	20.0	—	—	11.0	3.0	4.00	6.0	0.55		B5	A	1929
152T	Output triode	2.5	1.50	150		—	—							B4+st	Y	1929
154V	AF triode	4.0	0.65	200	9.0	—	—	6.0	7.5	2.00				B4+st	Y	1929
164V	AF triode (Improved version) (further improved)	4.0	1.00	200	8.0	—	—	8.5	6.65	2.40				B5	A	1929
			1.00	200	8.5			8.5	4.85	3.30						1930
			0.65	200	12.0			9.0	4.7	3.40						1935
244V	Detector or AF triode (Improved version)	4.0	1.00	200	5.5	—	—	3.3	9.0	2.80				B5	A	1933
			0.65	200	5.5			5.6	9.3	2.75						1935
354V	Detector or AF triode (Improved version) (further improved)	4.0	1.00	180	4.5	—	—	3.0	14.0	2.50				B5	A	1929
			1.00	200	4.0			4.0	12.0	3.00						1930
			0.65	250	6.5			4.5	11.5	3.50						1935
484V	Detector triode	4.0	1.00	200	2.8	—	—	3.0	21.8	2.20				B5	A	1935
904V	Detector or AF triode (Improved version)	4.0	1.00	200	1.8	—	—	2.0	34.0	2.20				B5	A	1931
			0.65	200	2.0			2.0	36.0	2.00						1935
994V	Detector or RCC triode	4.0	0.65	200	1.35	—	—	1.5	33.0	3.60				B5	A	1935
4671	Acorn UHF triode	6.3	0.15	180	4.5	—	—	5.0	12.5	2.00				5AA	A	1940
4672	Acorn UHF pentode	6.3	0.15	250	2.0	100	0.7	3.0	1.5M	1.40				7AA	A	1940
6153T	Triode hexode for television	6.3	0.95	h250 t100	12.7 16.0	100		2.0 2.0		3.00 3.80				Ct8	AJ	1939
AC 042	Output triode	2.0*	2.00	300	50.0	—	—	38.0	1.2	5.00	2.3	3.5		B4	A	1937
AC 044	Output triode (Improved version)	4.0*	0.70	200	30.0	—	—	32.0	1.15	3.50	2.5	1.0	950 760	B4	A	1930
			1.00	250	48.0			20.0		6.80	2.5	2.7				1933
			1.00	300	50.0			38.0	1.2	5.00	2.3	3.5				

Type	Description	Filament		Anode		Auxiliary grid		Grid	r _a	g _m / g _c	R _L	P _o	R _K	Base		Year
		Volts	Amps	Volts	mA	Volts	mA	–V	kΩ	mA/V	kΩ	Watts	Ω	Type	Ref.	
MULLARD cont																
AC 054	Output triode (Class AB push-pull)	4.0*	1.00	250 500 500	48.0 24.0 20.0	—	—	22.0 68.0 70.0	1.7	3.50	1.6 11.5 <u>12.0</u>	1.5 5.3 15.0	—	B4	A	1930
AC 064	Output triode	4.0*	1.00	200	20.0	—	—	21.0	2.0	3.00	5.0	0.62		B4	A	1930
AC 084	Output triode	4.0*	1.00	300	17.0	—	—	22.0	7.3	1.10				B4	A	1930
AC 084N	Output triode	4.0*	1.00	100	21.0	—	—	0	2.8	2.50	4.0			B4	A	1930
AC 104	Output triode	4.0*	1.00	200	11.0	—	—	14.0	2.85	3.50	6.0	0.4		B4	A	1930
AL60	Output pentode (Push-pull)	4.0	2.10	250 250	72.0 45.0	250 250	8.0 5.1	7.0	20.0	14.50	3.5 <u>5.0</u>	8.0 14.5	<u>90</u>	B7	E	WW2
AP4	Acorn UHF pentode	4.0	0.20	250	2.0	100	0.7	3.0	3.5M	1.40				7AA	A	1936
AT4	Acorn UHF triode	4.0	0.25	200	4.5	—	—	6.0	12.5	2.00				5AA	A	1936
CBL1	Double diode output pentode	44.0	0.20	200	45.0	200	6.0	8.5	35.0	8.00	4.50	4.0	167	Ct8	AT	1939
CBL31	Double diode output pentode	44.0	0.20	200	45.0	200	6.0	8.5	35.0	8.00	4.50	4.0	167	IO	Q	1938
CCH35	Triode hexode FC	7.0	0.20	h250 t100	3.0 3.3	100	3.0	2.0	1.3M	0.65^ 2.80				IO	C	1940
CL4	Output pentode	33.0	0.20	200	45.0	200	6.0	8.5	35.0	8.00	4.50	4.0	167	Ct8	AI	1938
CL6 (replaced by CL4)	Output pentode (Class AB1 push-pull)	35.0	0.20	200 250	45.0 36.0	100 125	5.5 12.5	9.5	19.0	8.00	4.50 <u>7.00</u>	4.0 13.5	<u>180</u>	Ct8	AI	1938
CL33	Output pentode	33.0	0.20	200	45.0	200	6.0	8.5	35.0	8.00	4.50	4.0	167	IO	AM	1940
DA1	Miniature triode	2.0*	0.05	40	0.25	—	—	0.25	80.0	0.40				Sm4	A	1936
DA2	Miniature output triode	2.0*	0.05	40	1.25	—	—	2.15	13.6	0.50				Sm4	A	1936
DA3	Miniature output triode	2.0*	0.05	40	1.8	—	—	2.8	7.6	0.62				Sm4	A	1936
DAC1	Single diode triode	1.4*	0.05	90	0.14	—	—	0	240.0	0.275				Ct8	AH	1939
DAC31	Single diode triode	1.4*	0.025	120	0.75	—	—	0	100.0	0.40				IO	CU	PW
DAC32	Single diode triode	1.4*	0.05	90	0.15	—	—	0	240.0	0.275				IO	CU	PW
DAS1	AF tetrode (deaf aid)	2.0*	0.06	120	1.5	60		2.7	500.0	0.58				Sm4	B	1938
DB1	Miniature triode	1.5*	0.07	40	0.25	—	—	0.25	80.0	0.40				Sm4	A	1939
DB3	Miniature triode	1.5*	0.07	40	1.8	—	—	2.8	7.6	0.62				Sm4	A	1939
DBC31	Double diode triode	1.4*	0.05	120	1.6	—	—	1.5	28.0	0.90				IO	CR	PW

Data given for AC084N are not for actual working conditions. Characteristics similar to AC084.

Type	Description	Filament		Anode		Auxiliary grid		Grid	r_a	g_m / g_c	R_L	P_o	R_K	Base		Year
		Volts	Amps	Volts	mA	Volts	mA	-V	k Ω	mA/V	k Ω	Watts	Ω	Type	Ref.	
MULLARD cont																
DBS1	Miniature tetrode	1.5*	0.07	120	1.5	60		2.7	500.0	0.58				Sm4	B	1939
DC51	Triode (deaf aid)	1.5*	0.067	45	0.34	—	—	0	66.0	0.38				Sm4	A	1939
DD51	Output triode (deaf aid)	1.5*	0.067	45	1.7	—	—	3.0	10.0	0.50				Sm4	A	1939
DF1	VM RF pentode	1.4*	0.05	90	1.2	90	0.3	0/4	1.5M	0.75				Ct8	AB	1939
DF31	Pentode	1.4*	0.025	90	1.2	90	0.25	0	2M	0.70				IO	CN	PW
DF32	VM pentode	1.4*	0.05	90	1.4	90	0.3	1.5	1.5M	1.10				IO	CN	PW
DF33	VM pentode	1.4*	0.05	90	1.2	90	0.3	0/4	1.5M	0.75				IO	CE	PW
DF51	Pentode (deaf aid)	1.5*	0.067	45	0.13	13.5		0		0.17				Sm4	B	1939
DFA0	Output triode	3.5*	0.35	100		—	—	8.0	7.0	0.70				B4	A	1924
DFA 1	Output triode	5.5*	0.25	100		—	—	7.0	5.5	1.00				B4	A	1924
DFA 2	Output triode	3.5*	0.25	100		—	—	8.0	7.0	0.70				B4	A	1924
DFA 3	Output triode	5.5*	0.06	100		—	—	6.0	13.0	0.60				B4	A	1925
DFA 4	AF triode	5.5*	0.06	100		—	—	4.5	27.0	0.75				B4	A	1925
DFA 6	Output triode	4.5*	0.85	400	26.0	—	—	30.0	4.5	1.45		1.0		B4	A	1925
DFA 7	Output triode	4.5*	0.85	400	25.0	—	—	150.0	2.85	0.85		1.0		B4	A	1927
DFA 8	AF triode	4.5*	0.85	400	9.0	—	—	7.5	15.0	1.30				B4	A	1927
DFA9	Output triode	6.0*	0.60	250	24.0	—	—	28.0	2.0	2.50		0.84		B4	A	1928
DK1	Heptode FC	1.4*	0.05	mix 90 osc 90	0.55 1.2	45	0.6	0	600.0	0.25^				Ct8	AG	1939
DK32	Heptode FC	1.4*	0.05	mix 90 osc 90	0.60 1.2	45	0.7	0	600.0	0.25^				IO	CD	PW
DL1	Output pentode	1.4*	0.05	90	4.0	90		3.0	300.0	1.25	22.0	0.17		Ct8	AA	1939
DL2	Output pentode	1.4*	0.10	90	7.5	90	1.6	7.5	115.0	1.55	8.0	0.24		Ct8	AA	1939
DL31	Output pentode	1.4*	0.05	90	4.0	90	0.70	3.0	300.0	1.25				IO	CF	PW
DL33	Output pentode	1.4*	0.10	90	9.5	90	1.3	4.5	90.0	2.20	8.0	0.27		IO	CF	PW
		2.8*	0.05	90	8.0	90	1.0	4.5	80.0	2.00	8.0	0.23				
DL35	Output pentode	1.4*	0.10	90	7.5	90	1.6	7.5	115.0	1.55	8.0	0.24		IO	CF	PW
DL51	Output pentode (deaf aid)	1.5*	0.134	45	1.6	45	0.23	1.5	85.0	1.50				Sm4	B	1939
DO 10	Output triode	6.0*	0.80	400	26.0	—	—	130.0		2.85	0.86	6.0		B4	A	1932

Type	Description	Filament		Anode		Auxiliary grid		Grid	r_a	g_m / g_{cs}	R_L	P_o	R_K	Base		Year
		Volts	Amps	Volts	mA	Volts	mA	-V	k Ω	mA/V	k Ω	Watts	Ω	Type	Ref.	
MULLARD cont																
DO 20	Output triode (Improved version)	7.5*	1.30 1.10	425 425	40.0 40.0	—	—	66.0 66.0	2.0 2.0	2.50 2.50	6.0 5.0	3.0 4.0		B4	A	1929 1931
DO 24	Output triode	4.0*	2.00 1.85	400 400	63.0 63.0	—	—	34.0 40.0	1.4 1.0	6.50 7.50	4.0 3.2	5.0 7.1	540 630	B4	A	1931 PW
DO 25	Output triode (improved)	6.0*	1.80 1.10	400 400	63.0 63.0	—	—	95.0 112.0	1.15 800 Ω	2.60 3.75	3.1 4.0	5.0 7.0	1780	B4	A	1930 1931
DO 26	Output triode	4.0*	2.00	400	63.0	—	—	92.0	950 Ω	3.80	3.0	7.5	1500	B4	A	1933
DO 30	Output triode (Class AB push-pull)	4.0*	2.00	500 500	60.0 50.0	—	—	134.0 145.0	580 Ω	6.90	6.0 3.4	11.0 45.0	580 —	B4	A	1937
DO 60	Output triode	6.0*	4.00	500	120.0	—	—	95.0	1.0	3.50	1.5	10.0	790	L4	A	1930
DO 75	Output triode	10.0*	2.00	1000	75.0	—	—	55.0	2.0	6.00	6.0	18.0	735	Special	A	1931
DP425	Output triode	4.0*	0.25	150		—	—		3.3	1.10				B4	A	1926
EA50	Single diode	6.3	0.15	50	5.0	—	—							B3G	A	1939
EAB1	Triple diode	6.3	0.20	140	0.8	—	—							Ct8	S	1938
EB4	Double diode	6.3	0.20	140	0.8	—	—							Ct8	K	1938
EB34	Double diode	6.3	0.20	140	0.8	—	—							IO	BE	1941
EB91	Double diode	6.3	0.30	150	9.0	—	—							B7G	T	1946
EBC3	Double diode triode	6.3	0.20	250	5.0	—	—	5.5	15.0	2.00				Ct8	G	1938
EBC33	Double diode triode	6.3	0.20	250	5.0	—	—	5.5	15.0	2.00				IO	AE	1940
EBF2	Double diode RF pentode	6.3	0.20	250	5.0	100	1.6	2.0	1.5M	1.80				Ct8	N	1938
EBF32	Double diode pentode	6.3	0.20	250	5.0	100	1.6	2.0	1.3M	1.80				IO	Q	PW
EBL1	Double diode output pentode	6.3	1.20	250	36.0	250	5.0	6.0	55.0	9.50	7.0	4.3	146	Ct8	N	1938
EBL31	Double diode output pentode	6.3	1.20	250	36.0	250	5.0	6.0	55.0	9.50	7.0	4.3	146	IO	Q	1940
EC31	Output triode	6.3	0.65	250	20.0	—	—	16.0	3.0	3.20	10.0	0.5		IO	V	PW
EC52 (was RL16)	UHF oscillator triode	6.3	0.43	250	10.0	—	—		9.2	6.50				B9G	C	1946
EC53 (was RL18)	UHF oscillator triode	6.3	0.25	200	7.5	—	—	3.3	11.4	2.90				B3G	B	1946
EC54 (was RL37)	Grounded grid triode	6.3	0.43	250	10.0	—	—	1.5	15.1	9.00				B9G	K	1946
ECC31	Medium-mu double triode (common cathode)	6.3	0.95	250	6.0	—	—	4.6	14.0	2.30				IO	X	WW2

Type	Description	Filament		Anode		Auxiliary grid		Grid	r _a	g _m / g _c	R _L	P _o	R _k	Base		Year
		Volts	Amps	Volts	mA	Volts	mA	−V	kΩ	mA/V	kΩ	Watts	Ω	Type	Ref.	
MULLARD cont																
ECC32	Medium-μ double triode	6.3	0.95	250	6.0	—	—	4.6	14.0	2.30				IO	AB	WW2
ECC33	Medium-μ double triode	6.3	0.40	250	9.0	—	—	4.0	9.7	3.60				IO	AB	PW
ECC34	Low-μ double triode	6.3	0.95	250	10.0	—	—	16.0	5.2	2.20				IO	AB	1946
ECC35	High-μ double triode	6.3	0.40	250	2.3	—	—	2.5	34.0	2.00				IO	AB	PW
ECH2	Triode heptode FC	6.3	0.95	h250 t100	3.25 9.5	100	6.0	2.5/30	1.5M	0.75^				Ct8	A	1938
ECH3	Triode hexode FC	6.3	0.20	h250 t100	3.0 3.3	100	3.0	2.0/17	1.3M	0.65^ 2.8				Ct8	A	1939
ECH33	Triode hexode FC	6.3	0.20	h250 t100	3.0 3.3	100	3.0	2.0/17	1.3M	0.65^ 2.80				IO	C	1940
ECH35	Triode hexode FC	6.3	0.30	h250 t100	3.0 3.3	100	3.0	2.0/17	1.3M 8.6	0.65^ 2.80			215	IO	C	1940
EE50	Secondary emission RF pentode	6.3	0.30	250 V _{k2} 150	10.0	250	0.6	3.0	2.5M	14.0				B9G	J	1938
EF2	VM RF pentode	6.3	0.40	250	4.5	100	1.4	2/22	1.4M	2.20				Ct8	Q	1939
EF5	VM RF pentode	6.3	0.20	250	8.0	100	2.6	3/35	1.2M	1.70				Ct8	Q	1938
EF6	RF or AF pentode	6.3	0.20	250	3.0	100	1.1	2.0	2.5M	2.00				Ct8	Q	1938
EF8	Low-noise VM RF pentode (with 4th grid)	6.3	0.20	250	8.0	250	0.2	2.5/50	450.0	1.80				Ct8	L	1938
EF9	VM RF pentode	6.3	0.20	250	6.0	100	1.7	2.5/40	1.25M	2.20				Ct8	Q	1938
EF36	RF or AF pentode	6.3	0.20	250	3.0	100	0.8	2.0	2.5M	1.80				IO	H	1940
EF37	Low-microphony AF pentode	6.3	0.20	250	3.0	100	0.8	2.0	2.5M	1.80				IO	H	1946
EF38	Low-noise VM RF pentode (with 4th grid)	6.3	0.20	250	8.0	250	0.2	2.5/50	450.0	1.80				IO	BT	1940
EF39	VM RF pentode	6.3	0.20	250	6.0	100	1.7	2.5/40	1.25M	2.20			325	IO	H	1940
EF50	VHF pentode	6.3	0.30	250	10.0	250	3.0	2.0	1M	6.50				B9G	A	1939
EF54 (was RL7)	VHF pentode	6.3	0.30	250	10.0	250	1.45	1.7	500.0	7.70			150	B9G	B	PW
EF55	Video frequency pentode	6.3	1.00	250 250	40.0 10.0	250 150	5.5 1.0	4.5 4.0	55.0 100.0	12.00 7.00			100 360	B9G	A	1946
EFM1 (see also tuning indicators)	AF amplifier & tuning indicator	6.3	0.20	146 185	0.8 0.5	40 180	0.6 0.2	2.0 20.0						Ct8	T	1938

Type	Description	Filament		Anode		Auxiliary grid		Grid	r_a	g_m / g_c	R_L	P_o	R_K	Base		Year
		Volts	Amps	Volts	mA	Volts	mA	-V	k Ω	mA/V	k Ω	Watts	Ω	Type	Ref.	
MULLARD cont																
EH2	Hexode – IF amplifier – Freq. changer	6.3	0.20	250 250	4.2 1.85	100 100	2.8 3.8	3/25 3/25	1M 2M	1.40 0.40^			530 430	Ct8	R	1938
EK2	Octode FC	6.3	0.20	mix250 osc200	1.0 2.5	50	1.1	2/25	2.0	0.55^			490	Ct8	B	1938
EK3	Octode FC	6.3	0.60	mix250 osc100	2.5 5.5	100	6.0	2.5/38	2M	0.65^			190	Ct8	B	1938
EK32	Octode FC	6.3	0.20	mix250 osc200	1.0 2.5	50	0.8	2.0/25	2.0	0.55^			490	IO	A	1940
EL2	Output pentode	6.3	0.20	250	32.0	250	5.0	18.0	70.0	2.80	8.0	3.60		Ct8	AI	1938
EL3	Output pentode (triode connection)	6.3	0.90	250 250	36.0 20.0	250	4.0	6.0 8.5	50.0 3.0	9.00 6.50	7.0 7.0	4.5 1.1		Ct8	M	1938
EL5	Output pentode	6.3	1.35	250	72.0	275	7.0	14.0	22.0	8.50	3.5	8.8		Ct8	M	1938
EL6	Output pentode (Class AB1 Push-pull)	6.3	1.20	250 250	72.0 53.0	250 250	8.0 8.6	7.0	20.0	14.50	3.5 5.0	8.0 14.5	<u>90</u>	Ct8	M	1938
EL31	Output pentode (Class AB1 push-pull)	6.3	1.40	275 800	91.0 30.0	275 400	11.0 3.1	9.0 26.0	20.0	14.00	<u>10.0</u>	102	—	IO	AR	PW
EL32	Output pentode (Class A push-pull)	6.3	0.20	250 250	32.0 32.0	250 250	5.0 8.0	18.0	70.0	2.80	8.0 8.0	3.6 7.0	<u>310</u>	IO	I	1940
EL33	Output pentode (triode connection) (Class A push-pull)	6.3	0.90	250 250 250	36.0 20.0 28.5	250 — 250	4.0 — 4.6	6.0 8.5	50.0 3.0	9.00 6.50	7.0 7.0 10.0	4.0 1.1 8.2	<u>140</u>	IO	AM	1940
EL35	Output pentode (Class AB1 push-pull)	6.3	1.35	250 360	72.0 53.0	250 270	8.0 17.5	15.5	15.5	5.00	2.5 7.0	6.0 21.0	<u>250</u>	IO	AM	WW2
EL36 [†]	Output pentode (Class A push-pull)	6.3	1.20	250 250	72.0 45.0	250 250	8.0 5.1	7.0	20.0	14.50	3.5 5.5	8.0 14.5	90 90	IO	AM	1940
EL37	Output pentode (Class AB1 push-pull)	6.3	1.40	250 325	100.0 77.0	250 325	13.5 9.75	13.5	13.5	11.00	2.5 4.0	10.5 35.0	120 130	IO	AM	1946
EL38, EL38M	Line t/b output pentode	6.3	1.40	275	91.0	275	11.0	9.0	20.0	14.00				IO	AR	1946
EL50	Output pentode	6.3	1.35	250	72.0	275	8.0	14.0	22.0	8.50	3.5	8.8		Ct8	W	1939
EL51	Output pentode (Class AB1 push-pull)	6.3	1.90	750 550	40.0 147.0	750 750	44.0 33.0	7.7	55.0	7.00 7.00		6.00		IO	W	1939
FC2	Octode FC	2.0*	0.10	mix135 osc135	0.95	70	3.75	0		0.20^				B7	A	1935
FC2A	Octode FC	2.0*	0.13	mix135 osc135	0.7 2.1	45	0.7	0.5/12	2.5M	0.27^				B7	A	1937

†This EF36 should not be confused with the late 1950s version intended for television line timebases.

Type	Description	Filament		Anode		Auxiliary grid		Grid	r _a	g _m / g _c	R _L	P _o	R _k	Base		Year
		Volts	Amps	Volts	mA	Volts	mA	−V	kΩ	mA/V	kΩ	Watts	Ω	Type	Ref.	
MULLARD cont																
FC4	Octode FC	4.0	0.65	mix250 osc90	1.6 2.06	70	3.8	1.5	1.6M 4.8	0.6^			250	B7	B	1934
FC13	Octode FC	13.0	0.20	mix250 osc90	1.6 2.0	70	3.8	1.5	2M 22.7	0.6^			250	Ct8	B	1934
FC13C	Octode FC	13.0	0.20	mix200 osc90	1.6 2.0	70	3.8	1.5	2M 22.7	0.6^			250	B7	B	1935
H20	High-μ triode	20.0	0.18	200	0.2	—	—	1.6	100.0	1.00				B5	A	1932
HL13	General-purpose triode	13.0	0.20	200	5.0	—	—	3.7	12.0	3.30				Ct8	C	1934
HL13C	General-purpose triode	13.0	0.20	200	5.0	—	—	3.7	12.0	3.30				B7	Y	1935
HL20	Detector triode	20.0	0.18	200	3.5	—	—	3.5	14.0	2.50				B5	A	1932
KBC32	Double diode triode	2.0*	0.05	100	2.4	—	—	0	21.0	1.20				IO	CR	1946
KCF30	Triode pentode FC	2.0*	0.20	p120 t100	0.58	60	0.92	1.5 0		2.60^ 1.70				IO	DB	1946
KF35	VM RF pentode	2.0*	0.05	120	1.45	60	0.5	1.5	1.5M	1.08				IO	CN	1946
KK32	Octode FC	2.0*	0.13	mix135 osc135	0.7 2.1	45	0.7	0	2.5M	0.27^				IO	CD	1946
KL35	Output pentode	2.0*	0.15	135	5.6	135		4.5	150.0	2.20	19.0	0.34		IO	CF	1946
KLL32	Double output pentode	2.0*	0.30	135	16.9	135	5.7	11.3		2.60	16.0	1.2		IO	DA	1946
MM4V	VM RF pentode	4.0	1.00	200	6.0	110	0.8	1.5	350.0	2.50				B5	B	1931
MM20	VM RF pentode (d.c.)	20.0	0.18	200	6.0	110		0		3.50				B5	S	1932
MZ05-60	Output triode (P.A.)	6.0*	1.65	500	120.0	—	—	95.0		3.25	1.5	10.0	925	L4	A	1935
MZ1-75	Output triode (P.A.)	10.0*	1.10	1000	75.0	—	—	80.0	2.5	4.00	8.0	20.0		BC4	A	1935
MZ1-100	Output triode (P.A.)	6.0*	2.7	1000	100.0	—	—	145.0	1.4	4.00	7.0	30.0		L4	A	1938
MZ2-250	Output triode (P.A.)	11.0*	2.50	2000	125.0	—	—	105.0	2.5	6.00	9.0	75.0		G3J	A	1938
Pen4DD	Double diode output pentode	4.0	2.25	250	36.0	250	5.0	6.0	50.0	9.50	7.0	4.3		B7	X	1937
Pen4V	Output pentode	4.0	1.00	250	35.0	200	10.0	13.0	8.0	3.00	8.0	2.0		B5+st	Q	1931
Pen4VA	Output pentode	4.0	1.50	250	32.0	250	12.0	22.0			6.0	3.4		B5+st	Q	1934
			1.35	250	36.0	250	3.0	20.0	40.0	2.80	6.0	3.8	500	B7	Z	1933 1937
Pen4VB (= PenA4)	Output pentode	4.0	1.95	250	36.0	250	5.0	5.8	50.0	9.50	8.0	3.8		B7	Z	1935
Pen13C	Output pentode	13.0	0.50	250	32.0	250	7.0	12.0		6.00	6.5	3.2	250	B7	Z	1935

P.A. = Public Address

Type	Description	Filament		Anode		Auxiliary grid		Grid	r_a	g_m / g_c	R_L	P_o	R_K	Base		Year
		Volts	Amps	Volts	mA	Volts	mA	-V	k Ω	mA/V	k Ω	Watts	Ω	Type	Ref.	
MULLARD cont																
Pen20	Output pentode	20.0	0.18	200	25.0	200	9.0	15.0			8.0	1.5		B5+st B7	Q Z	1932
Pen26	Output pentode	24.0	0.20	200	40.0	100	5.0	19.0		3.10	5.0	3.0	420	Ct8	D	1934
Pen36C = CL33	Output pentode	33.0	0.20	200	45.0	200	6.0	8.5	35.0	8.00	4.5	4.0	167	B7	Z	1935
Pen40DD	Double diode output pentode	44.0	0.20	200	45.0	200	6.0	8.5	35.0	8.00	4.5	4.0	170	B7	X	1939
Pen428	Output pentode (Class AB push-pull)	4.0	2.10	250 375	72.0 48.0	250 275	5.0				3.2 <u>6.5</u>	8.0 28.0	150 <u>165</u>	B7	Z	1937
Pen650 (= EL50)	Output pentode															1939
PenA4	Output pentode	4.0	1.95	250	36.0	250	5.0	5.8	50.0	9.50	8.0	3.8	145	B7	Z	1937
PenB4	Output pentode	4.0	2.10	250	72.0	275	7.0	14.0	22.0	8.50	3.5	8.8	175	B7	Z	1937
PM0	General-purpose triode	1.4*	0.14	80		—	—							B4	A	1926
PM1	General-purpose triode	1.8*	0.10	100	1.6	—	—	2.0	28.0	0.48				B4	A	1926
PM1A	RCC triode	2.0*	0.10	150 150	0.8 1.0	—	—	1.5 1.0	51.0 41.6	0.70 1.00				B4	A	1927 1931
PM1DG	Bi-grid FC or AF amplifier	2.0*	0.10	80 20	6.0 2.6	20 20	—	6.0 2.0		0.80 0.80				B4+st	AB	1931
PM1HF	General-purpose triode	2.0*	0.10	135	1.5	—	—	3.0	23.0	0.80				B4	A	1926
PM1HL	General-purpose triode (improved version)	2.0*	0.10	150 150	2.0 2.0	—	—	3.0 3.0	14.0 20.0	2.00 1.40				B4	A	1931 1932
PMILF	Detector or AF triode	2.0*	0.10	150	4.0	—	—	7.5	12.0	0.90				B4	A	1926
PM2	Output triode	2.0*	0.15 0.20	100 135	6.0	—	—	10.5 10.5	8.75 4.4	0.62 1.70		9.0 0.15		B4	A	1926 1929
PM2A	Output triode	2.0*	0.20	135	5.0	—	—	6.0	6.0	2.00	7.0	0.15		B4	A	1930
PM2B	Class B output triode	2.0*	0.20	120	3/20	—	—	0			<u>14.0</u>	1.25		B7	K	1933
PM2BA	Class B output triode	2.0*	0.20	120	3/20	—	—	4.5			<u>14.0</u>	1.45		B7	K	1934
PM2DL	Class B driver triode	2.0*	0.10	120	1.5	—	—	4.5	12.0	1.50				B4	A	1935
PM2DX	Detector triode (Improved version)	2.0*	0.20 0.10	150 135	2.7 2.0	—	—	6.0 4.5	10.7 18.0	1.25 1.00				B4	A	1928 1931
PM2HL	Triode	2.0*	0.10	135	2.2	—	—	1.5	21.5	1.40				B4	A	1938
PM3	Detector or AF triode (Improved version)	4.0*	0.10 0.075	100 100	2.0	—	—	0	16.0 13.0	0.84 1.05				B4	A	1926 1927

Type	Description	Filament		Anode		Auxiliary grid		Grid	r_a	g_m / g_c	R_L	P_o	R_k	Base		Year
		Volts	Amps	Volts	mA	Volts	mA	-V	k Ω	mA/V	k Ω	Watts	Ω	Type	Ref.	
MULLARD cont																
PM3A	RCC triode	4.0*	0.075	150	0.7	—	—	1.3	55.0	0.66				B4	A	1927
PM3D	AF triode	4.0*	0.10	150	3.25	—	—	4.0	8.0	3.00				B4	A	1931
PM4	Output triode. (Improved version)	4.0*	0.10	100 150	8.0	—	—	9.0 10.5	9.0 4.45	0.67 1.80		9.0 0.17		B4	A	1925 1929
PM4D = PM4DX	Detector or AF triode	4.0*	0.10			—	—							B4	A	1928
PM4DG	Bi-grid FC or AF amplifier	4.0*	0.08	100	4.0	21		3.5						B4+st	AB	1931
PM4DX (was PM4D)	Detector or AF triode	4.0*	0.10	150	2.5	—	—	6.0	7.5	2.00				B4	A	1928
PM5	General-purpose triode	6.0*	0.10	125		—	—		19.0	0.92				B4	A	1926
PM5A	RCC triode	6.0*	0.10	125		—	—		50.0	0.52				B4	A	1927
PM5B	RCC triode (Improved version)	6.0*	0.10 0.075	150 150	0.6	—	—	1.5	74.0 49.0	0.50 0.85				B4	A	1927 1927
PM5D	Detector triode	6.0*	0.075	150	1.2	—	—	3.0	26.0	1.30				B4	A	1930
PM5X	Detector or AF triode (Improved version)	6.0*	0.10 0.075	125 150	2.0	—	—	3.0	19.0 14.7	0.92 1.20				B4	A	1927 1927
PM6	Output triode (improved version)	6.0*	0.10	100 150	10.0	—	—	6.0 9.0	5.7 3.6	1.25 2.25	5.0	0.8		B4	A	1926 1929
PM6D	Detector or AF triode	6.0*	0.10	150	2.5	—	—	4.5	9.0	2.00				B4	A	1928
PM12	RF tetrode	2.0*	0.15	150	4.3	75	1.0	0	180.0	1.10				B4	B	1927
PM12A	RF tetrode	2.0*	0.18	125	2.0	75	0.4	0	330.0	1.50				B4	B	1932
PM12M	VM RF tetrode	2.0*	0.18	150	2.5	90	0.5	0/7	230.0	1.40				B4	B	1933
PM12V	VM RF tetrode	2.0*	0.15	150	5.0	90		6.0		0.75				B4	B	1932
PM13	RF tetrode (d.c.)	4.0*	0.10	200	4.5	100		1.0	400.0	0.90				B4+st B5	Z F	1929
PM14	RF tetrode	4.0*	0.075	150	1.5	75			230.0	0.87				B4	B	1927
PM16	RF tetrode	6.0*	0.075	150	1.75	75			200.0	1.00				B4	B	1927
PM22	Output pentode	2.0*	0.30	150 150	13.0 15.0	150 150	4.0 4.0	12.0 10.0		1.30	11.0 8.0	0.40 0.60		B4+st B5	Z F	1928 1929
PM22A	Output pentode	2.0*	0.20 0.15	150 135	9.5 5.6	150 135	2.0	4.5 4.5	150.0	2.50 2.20	15.0 19.0	0.42 0.34		B4+st B5	Z F	1932 1936
PM22C	Output pentode	2.0*	0.30	150	27.0	150	4.5	20.0			7.0	1.45		B5	F	1934

Type	Description	Filament		Anode		Auxiliary grid		Grid	r_a	g_m / g_c	R_L	P_o	R_k	Base		Year
		Volts	Amps	Volts	mA	Volts	mA	-V	k Ω	mA/V	k Ω	Watts	Ω	Type	Ref.	
MULLARD cont.																
PM22D	Output pentode	2.0*	0.30	135	5.0	135	0.8	2.4		3.00	24.0	0.30		B5	F	1936
PM24	Output pentode (a.c.)	4.0*	0.15	150	20.0	150	5.0	12.0		1.75	10.0	0.50		B4+st B5	Z F	1928 1929
PM24A	Output pentode (a.c.)	4.0*	0.275	300 300	21.0 20.0	200 200	6.0 3.5	21.0 22.5		2.00 2.00	8.0 10.0	1.5 2.5		B5	F	1929 PW
PM24B	Output pentode (a.c.)	4.0*	1.00	400	20.0	300	6.0	40.0		2.10	8.0	3.0		B5	F	1930
PM24C	Output pentode (a.c.)	4.0*	1.00	400	30.0	200	4.5	28.0		3.00	8.0	3.5		B5	F	1931
PM24D	Output pentode (a.c.)	4.0*	2.00	500	50.0	200	9.0	35.0		4.00	7.0	10.0		B5	F	1931
PM24E	Output pentode (a.c.)	4.0*	2.00	500	50.0	200	9.0	35.0			7.0	10.0		B5	F	1937
PM24M	Output pentode (a.c.)	4.0*	1.10	250	30.0	250	5.6	17.0	43.0	3.00	7.0	2.8		B5	F	1932
PM25	Output pentode (d.c.)	5.0*	0.10	150	10.0	150		15.0	45.0	1.30	8.0			B4+st B5	Z F	1929
PM26	Output pentode	6.0*	0.17	150	17.0	150	4.0	15.0		2.00	9.0	0.75		B4+st B5	Z F	1929 1929
PM202	Output triode	2.0*	0.20	150	14.0	—	—	15.0	2.0	3.50	3.7	0.35		B4	A	1931
PM252	Output triode (Improved version) (further improved)	2.0*	0.30 0.30 0.40	125 150 150	16.0 17.0	—	—	15.0 11.0	3.8 2.6 1.9	1.00 2.10 3.70		0.32 0.32		B4	A	1927 1929 1931
PM254	Output triode (improved version)	4.0*	0.25 0.18	150 150	14.0	—	—	22.5	3.5 2.0	0.90 2.10		0.38		B4	A	1927 1929
PM256	Output triode (Improved version) (further improved)	6.0*	0.25	150 180 250	21.0 20.0	—	—	18.0 27.0	3.5 1.85 1.85	0.90 3.25 3.25		0.6 1.0		B4	A	1927 1929 1931
PM256A	Output triode	6.0*	0.25	200	30.0			33.0	1.4	2.60	3.5	0.9		B4	A	1930
QP22A	Double output pentode	2.0*	0.45	135	3.0	Graded		10.5		4.00	<u>16.0</u>	1.4		B9	J	1935
QP22B	Double output pentode	2.0*	0.30	135	3.8	135	0.5	11.7			<u>14.7</u>	1.33		B7	L	1938
RL7 (= EF54)	VHF pentode															1941
RL16 (= EC52)	UHF oscillator triode					—	—									1941
RL18 (= EC53)	UHF oscillator triode					—	—									1941
RL37 (= EC54)	Grounded-grid triode					—	—									1941
S4V	RF tetrode	4.0	1.00	200	1.5	75		1.0	910.0	1.10				B4+ST B5	B	1929 1929

Type	Description	Filament		Anode		Auxiliary grid		Grid	r _a	g _m / g _c	R _L	P _o	R _K	Base		Year
		Volts	Amps	Volts	mA	Volts	mA	−V	kΩ	mA/V	kΩ	Watts	Ω	Type	Ref.	
MULLARD cont.																
S4VA	RF tetrode	4.0	1.00	200	2.5	110	0.6	1.5	500.0	2.00				B5	B	1930
S4VB	RF tetrode	4.0	1.00	200	4.6	110	1.05	1.5	300.0	2.50				B5	B	1930
SD4	Diode and AF tetrode	4.0	1.00	200		100		2.2		3.00				B7	AW	1933
SD20	Diode and AF tetrode (d.c.)	20.0	0.18	200	5.0	100		1.5	120.0	2.80				B7	AW	1934
SG20	VM RF tetrode (d.c.)	20.0	0.18	200	3.0	100	0.2		275.0	2.00				B5	B	1932
SP2	RF pentode	2.0*	0.18	135	3.0	135	1.0	0	700.0	1.80				B7	D	1934
SP4	RF pentode	4.0	1.00	200	3.0	100		2.0	2.2M	2.40				B5 B7	B E	1933 1934
SP4B	RF pentode	4.0	0.65	250	4.0	250	1.5	2.4	2M	3.40				B7	E	1935
SP4C	RF pentode	4.0	0.65	250	4.0	250	1.5	2.4	2M	3.40				Ct8	Q	1936
SP13	RF pentode	13.0	0.20	200	3.3	100	1.2	2.0	1.3M	2.20				Ct8	Q	1934
SP13C	RF pentode	13.0	0.20	200	2.5	200	0.9	2.2	2.5M	2.80				B7	F	1935
SP20	RF pentode (d.c.)	20.0	0.18	200	3.0	100	1.2		1.5M	3.50				B5	B	1933
T4D	VHF single diode	4.0	0.20	50	5.0	—	—							B3G	A	1938
T6D (= EA50)	VHF single diode					—	—							B3G	A	1938
TDD2	Double diode triode	2.0*	0.10	150	2.5	—	—	5.5	12.0	1.40				B5	E	1934
TDD2A	Double diode triode	2.0*	0.12	135	1.95	—	—	1.5	25.0	1.20				B5	E	1934
TDD4	Double diode triode	4.0	0.65	250	4.0	—	—	7.0	13.5	2.00				B7	G	1933
TDD13	Double diode triode	13.0	0.20	200	4.0	—	—	5.0	13.5	2.00				Ct8	G	1935
TDD13C	Double diode triode	13.0	0.20	200	4.0	—	—	5.0	13.5	2.00				B7	G	1935
TDD25	Double diode triode	25.0	0.18	200	4.0	—	—	4.0	15.0	2.00				B7	G	1933
TH2	Triode hexode FC	2.0*	0.23	h135 t100	0.95 4.0	60	1.6	1.5	600.0	0.43^				B7	AK	1939
TH4	Triode hexode FC	4.0	1.00	h250 t150	4.0 6.0	70	6.0	1.5	1.5M	1.00^ 1.20			100	B7	C	1936
TH4A	Triode hexode FC	4.0	1.50	h275 t100	3.25 22.0	100	7.0	2.5/25	1.5M 3.3	0.75^ 6.00				B7	C	1937
TH4B	Triode hexode FC	4.0	1.45	h250 t100	3.25 9.5	100	6.0	2.5	1.5M 3.2	0.75^ 5.50			140	B7	C	1938
TH13C	Triode hexode FC	13.0	0.31	h250 t150	4.0 6.0	70	6.0	1.5	1.5M	1.00^ 1.20			100	B7	C	1936

Type	Description	Filament		Anode		Auxiliary grid		Grid	r _a	g _m /g _c	R _L	P _O	R _K	Base		Year
		Volts	Amps	Volts	mA	Volts	mA	−V	kΩ	mA/V	kΩ	Watts	Ω	Type	Ref.	
MULLARD cont																
TH21C	Triode hexode FC	21.0	0.20	h250 t130	4.0 6.0	70	6.0	1.5	1.5M	1.00^			100	B7	C	1936
TH22C	Triode hexode FC	29.0	0.20	h275 t100	3.25 22.0	100	7.0	2.5/25	1.5M 3.3	0.75^ 6.00				B7	C	1937
TH30C	Triode hexode FC	29.0	0.20	h250 t100	3.25 9.5	100	6.0	2.5	1.5M 3.2	0.75^ 5.50			140	B7	C	1939
TH62 (= ECH35)	Triode hexode FC	6.3	0.20	h250 t100	3.0 3.3	100	3.0	2/17	1.3M 8.6	0.65^ 2.80			215	10	C	1939
TP4	Triode pentode FC	4.0	1.25	p250 t150	3.0	150	0.75	5.0	31.0	0.65^				B9	B	1934
TSE4	Secondary emission R.F. pentode	4.0	1.10	250	8.0	g ₂ 150 k ₂ 150	0.7 −6.0	2.5	100.0	14.50				B7	AX	1938
TSP4	RF pentode – amplifier video output	4.0	1.30	200 250	8.0 10.5	200 250	1.5 2.0	2.5 3.0	750.0	4.73	10.0		260 250	B7	F	1936
TT4	AF or output triode	4.0	1.00	250	20.0	—	—	16.0	3.3	3.2	10.0	0.5	800	B5	A	1937
TT4A	AF or output triode	4.0	1.00	250	20.0	—	—	9.0	4.4	4.1	5.0	0.4	450	B5	A	1939
VM4V	VM RF tetrode	4.0	1.00	200	8.5	100	1.5	1.5/40	300.0	1.20				B5	B	1932
VP2	VM RF pentode	2.0*	0.18	135	3.0	135	1.25	0	400.0	1.50				B7	D	1934
VP2B	Hexode – as pentode – as mixer, g ₂ /g ₄ joined	2.0*	0.135	135 135	2.0 1.0	60 60	0.95 1.1	1.5 1.5	1.3M 1M	1.4 0.45^				B7	AD	1937
VP4	VM RF pentode	4.0	1.00	200	4.5	100	1.9	2/22	1M	2.30				B5 B7	B E	1933 1934
VP4A	VM RF pentode	4.0	1.20	200	4.25	100	1.8	2.0	1.4M	2.50				B5 B7	B E	1934 1934
VP4B	VM RF pentode	4.0	0.65	250	11.5	250	4.25	3.0		2.00			160	B7	F	1935
VP13A	VM RF pentode	13.0	0.20	200	4.0	100	1.4	2.0	1M	2.20				C18	Q	1934
VP13C	VM RF pentode	13.0	0.20	200	9.0	200	3.6	2.0		2.20				B7	F	1935
VP20	VM RF pentode (d.c.)	20.0	0.18	200	4.0	100	1.8	1.5	2M	2.50				B5	B	1933

Type	Description	Filament		Anode		Auxiliary grid		Grid	r _a	g _m / g _c	R _L	P _o	R _K	Base		Year
		Volts	Amps	Volts	mA	Volts	mA	−V	kΩ	mA/V	kΩ	Watts	Ω	Type	Ref.	
Neutron																
H210	Triode	2.0*	0.10			—	—							B4	A	
H220	General-purpose triode	2.0*	0.20	20-80		—	—		20.0	0.55				B4	A	1926
H406	Detector triode	4.0*	0.06	20-100		—	—		22.0	0.41				B4	A	1926
HF2	General-purpose triode	2.0*	0.10			—	—		30.0	0.50				B4	A	1928
L220	Detector or AF triode	2.0*	0.20	30-100		—	—		15.0	0.53				B4	A	1926
L406	AF triode	4.0*	0.06	20-100		—	—	0-6	12.0	0.54				B4	A	1926
P430	Output triode	4.0*	0.30			—	—		5.5					B4	A	1926
P525	Output triode	5-6*	0.25	50-120		—	—	0-6	5.7	0.88				B4	A	1926
P525A	Output triode	5-6*	0.25	50-120		—	—	0-18	3.6	0.97				B4	A	1926
P525B	General-purpose triode	5-6*	0.25	40-100		—	—		30.0	0.66				B4	A	1926
PP2	Output triode	2.0*												B4	A	
SG2	RF tetrode	2.0*												B4	B	
North London Valve Co																
HF	Triode	2.0*	0.10			—	—							B4	A	
Leo the Lion	Output triode	6.0*	3.90	400		—	—		1.0	4.60				B4	A	1929
Mellodyne	Output triode	6.0*	3.90	400	100.0	—	—	90.0	800Ω	4.50				B4	A	1929
PA60	Output triode					—	—							B4	A	1930
Octron																
H210 (red line)	General-purpose triode	1.8*	0.10	30-80		—	—	2.0	43.0	0.28				B4	A	1926
H408 (red line)	General-purpose triode	3.7*	0.08	30-80		—	—	2.0	30.0	0.43				B4	A	1926
H610	General-purpose triode	5.4*	0.10	30-90		—	—		28.0	0.25				B4	A	1926
HF2	General-purpose triode	2.0*	0.10	120		—	—	1.0	30.0	0.50				B4	A	
HF4	General-purpose triode	4.0*	0.10			—	—		24.0	0.75				B4	A	1929
HR210 (blue line)	Detector or RCC triode	1.8*	0.10	120		—	—	1.5	50.0	0.36				B4	A	1926
HR408 (blue line)	Detector triode	3.7*	0.08	120		—	—	1.5	25.0	0.44				B4	A	1926
HR610	Triode	5.4*	0.10			—	—							B4	A	1929
L210	Detector or AF triode	1.8*	0.10	30-100		—	—	2-4	25.0	0.30				B4	A	1926
L408 (green line)	AF triode	3.7*	0.08	30-100		—	—	2-4	16.5	0.45				B4	A	1926
L610	AF triode	5.4*	0.10	60-100		—	—	2-5	14.0	0.61				B4	A	1926
LF2	AF triode	2.0*	0.10			—	—		15.0	0.60				B4	A	1929
LF4	AF triode	4.0*	0.10			—	—		10.0	0.90				B4	A	1929
LP2	AF triode	2.0*				—	—							B4	A	1929
LP4	Output triode	4.0*	0.15			—	—		6.0	1.00				B4	A	1929
LP6	Output triode	6.0*	0.15	120	5.2	—	—	9.0	6.7	0.90				B4	A	1929
LP240 (white line)	Output triode	1.8*	0.40	60-120		—	—	4-12	8.5	0.59				B4	A	1926

Type	Description	Filament		Anode		Auxiliary grid		Grid	r_a	g_m / g_c	R_L	P_o	R_k	Base		Year
		Volts	Amps	Volts	mA	Volts	mA	-V	k Ω	mA/V	k Ω	Watts	Ω	Type	Ref.	
Octron cont.																
LP430 (white line)	Output triode	3.7*	0.30	60-120		—	—	5-12	7.5	0.66				B4	A	1926
LP625	Output triode	5.4*	0.25	60-120		—	—	8-12	6.5	0.77				B4	A	1926
PP4	Output triode	4.0*	0.20	90-120		—	—	12.0	2.7	1.50				B4	A	1929
RC2	RCC triode	2.0*	0.10			—	—		50.0	0.50				B4	A	1929
RC4	RCC triode	4.0*	0.10			—	—		45.0	0.60				B4	A	1929
Ostar-Ganz																
A.520	General-purpose triode	100/250	0.024	250	4.0	—	—	6.0	8.8	2.50				B5 C7	A E	1932 1934
B.2	Double diode	100/250	0.024	200	15.0	—	—							C7	D	1934
BA1	Single diode triode	150/250	0.024	200	2.0	—	—	1.0	45.0	2.00				C7	J	1933
BA5	Single diode triode	150.0	0.024	200	5.0	—	—	6.0	10.0	2.00				C7	J	1933
D.130	High- μ triode	100/250	0.024	250	2.0	—	—	1.0	40.0	3.50				B5 C7	A E	1933 1933
G.5	Heptode FC	100/250	0.024	mix250 osc140	3.5 3.0	75	4.5	1.0	1.5M	0.6^				C7	A	1934
H.3	RF pentode	100/250	0.024	250	3.5	100	1.5		1.5M	3.50				C7	C	1934
K.2050	Output triode	100/250	0.024	300	40.0	—	—	40.0	1.0	5.00	1.8	3.5		B5	A	1934
K.3560	Output triode	100/250	0.024	220	50.0	—	—	50.0	500 Ω	6.00	1.2	4.0		B5	A	1933
L.1525	Output triode	100/250	0.024	300	20.0	—	—	20.0	1850 Ω	3.00	5.0	0.90		B5	A	1932
M.43	Output pentode	100/250	0.037	250	40.0	200	8.0	24.0	35.0	3.2	6.0	3.5		C7	F	1934
M.44	Output pentode	100/250	0.037	250	40.0	200	5.0	7.5			6.0	9.0		C7	F	1936
MS.18	VM RF tetrode	100/250	0.024	250	5.0	100	3.0	2/18	500.0	3.00				B5 C7	B B	1933 1933
MS.70	VM RF tetrode	100/250	0.024	250	4.0	100	2.5	2/70	500.0	3.00				B5 C7	B B	1933 1933
Pt.3 Pt4	Multigrid output pentode	100/250	0.024	250	20.0	250	4.0	24.0	100.0	3.5	15.0	1.5		C7 C18	F AY	1933
S.25	RF tetrode	100/250	0.224	250	4.0	100	0.4	2.0	250.0	3.80				B5 C7	B B	1933 1933
S.100	RF tetrode	100/250	0.024	250	1.0	100	0.2	1.0	1M	4.00				B5 C7	B B	1933 1933
U.920	Output triode	100/250	0.024	300	7.0	—	—	7.0	3.7	3.00	10.0	0.75		B5	A	1932
V.3	VM RF pentode	100/250	0.024	250	4.0	100	1.8	2/40	1.5M	3.00				C7	C	1934
W.310	Medium- μ triode	100/250	0.024	300	2.0	—	—	1.0	40.0	3.50				B5	A	1932

Type	Description	Filament		Anode		Auxiliary grid		Grid	r_a	g_m / g_c	R_L	P_o	R_K	Base		Year
		Volts	Amps	Volts	mA	Volts	mA	-V	k Ω	mA/V	k Ω	Watts	Ω	Type	Ref.	
PIX																
2	Detector or AF triode	2.0*	0.10	150	1.5	—	—	4.0	20.0	1.00				B4	A	1932
3	AF triode	2.0*	0.10	150	3.4	—	—	7.5	12.0	0.90				B4	A	1932
4	RCC triode	2.0*	0.10	150	1.0	—	—	1.0	37.0	0.90				B4	A	1932
9	RF or detector triode	4.0*	0.07	150		—	—		21.0	1.20				B4	A	1932
10	AF triode	4.0*	0.07	150		—	—		8.0	1.20				B4	A	1932
11	RCC triode	4.0*	0.07	150		—	—		33.0	1.00				B4	A	1932
20	Output triode	2.0*	0.15	150	5.0	—	—	5.0	4.6	1.20	8.0	0.15		B4	A	1932
25	RF tetrode	2.0*	0.15	150	2.5	75	0.5		230.0	1.00				B4	B	1932
40	Output triode	4.0*	0.10			—	—		4.3	1.40				B4	A	1932
45	RF tetrode	4.0*	0.10			—	—		230.0	1.00				B4	B	1932
90/AC	RF or detector triode	4.0	1.00	200	3.0	—	—	1.5	23.0	1.70				B5	A	1932
100/AC	AF triode	4.0	1.00	200	5.0	—	—	6.0	7.5	2.00				B5	A	1932
120	Output triode	2.0*	0.20	150	12.0	—	—	12.0	3.9	1.80	6.0	0.20		B4	A	1932
140	Output triode	4.0*	0.15			—	—		4.5	2.00				B4	A	1932
210	See Mullard PM1HF					—	—							B4	A	
215 SVM	VM RF tetrode	2.0*	0.15	180	2.5	75		0.5/40		2.20				B4	A	1932
220	Output triode	2.0*	0.20			—	—							B4	A	
230	Output triode	2.0*	0.30	150	18.0	—	—	20.0	2.3	3.00	4.0	0.30		B4	A	1932
420	Output triode	4.0*	0.20			—	—		2.5	2.00				B4	A	1932
P430	Output triode	4.0*	0.30	200	20.0	—	—	25.0	1.5	3.00	5.0	0.8	1200	B4	A	1932
450/AC	RF tetrode	4.0	1.00	200	3.5	75	0.75		200.0	3.00				B5	B	1932
AC/4P	Output triode	4.0	1.00	180	7.0	—	—	15.0	3.6	2.50	5.0	0.4	2200	B5	A	1932
AC4 VM	VM RF tetrode	4.0	1.00	200	4.5	90		1.5/40		2.50				B5		1932
P475	Output triode	4.0*	0.75	250	30.0	—	—	55.0	1.0	3.00	2.0	1.5	2000	B4	A	1932
P4100	Output triode	4.0*	1.00	300	90.0	—	—	40.0	1.5	4.00	4.0	4.0	500	B4	A	1932

Type	Description	Filament		Anode		Auxiliary grid		Grid	r _a	g _m / g _c	R _L	P _o	R _K	Base		Year
		Volts	Amps	Volts	mA	Volts	mA	−V	kΩ	mA/V	kΩ	Watts	Ω	Type	Ref.	
P-R																
GPR2	RF or detector triode	2.0*	0.10			—	—		24.0	0.56				B4	A	1929
GPR3	AF triode	2.0*	0.10			—	—		12.0	0.75				B4	A	1929
GPR4	RCC triode	2.0*	0.10			—	—		40.0	0.80				B4	A	1929
GPR9	RF or detector triode	4.0*	0.09			—	—		22.0	0.70				B4	A	1929
GPR10	AF triode	4.0*	0.09			—	—		10.0	0.90				B4	A	1929
GPR11	RCC triode	4.0*	0.09			—	—		44.0	0.93				B4	A	1929
GPR17	RF or detector triode	6.0*	0.14			—	—		20.0	0.89				B4	A	1929
GPR18	AF triode	6.0*	0.14			—	—		11.0	0.86				B4	A	1929
GPR19	RCC triode	6.0*	0.14			—	—		75.0	0.55				B4	A	1929
GPR20	Output triode	2.0*	0.15			—	—		6.0	0.87				B4	A	1929
GPR40	Output triode	4.0*	0.15			—	—		6.0	0.87				B4	A	1929
GPR60	Output triode	6.0*	0.15			—	—		6.0	0.87				B4	A	1929
GPR120	Output triode	2.0*	0.30			—	—		3.0	1.50				B4	A	1929
GPR140	Output triode	4.0*	0.20			—	—		3.0	1.30				B4	A	1929
PR1 = 206h	RF triode	2.0*	0.06			—	—		30.0	0.46				B4	A	1928
PR2 = 206d	RF or detector triode	2.0*	0.12	120		—	—		28.0	0.46				B4	A	1928
PR3 = 206l	AF triode	2.0*	0.10			—	—		15.0	0.58				B4	A	1928
PR4 = 206rc	RCC triode	2.0*	0.10			—	—		60.0	0.53				B4	A	1928
PR5 = 215h	RF triode	2.0*	0.15			—	—		40.0	0.50				B4	A	1928
PR6 = 215d	Detector triode	2.0*	0.15			—	—		30.0	0.50				B4	A	1928
PR7 = 215l	AF triode	2.0*	0.14			—	—		12.0	0.50				B4	A	1928
PR8 = 406h	RF triode	4.0*	0.06			—	—		23.0	0.58				B4	A	1928
PR9 = 406d	RF or detector triode	4.0*	0.06			—	—		24.0	0.58				B4	A	1928
PR10 = 406l	AF triode	4.0*	0.06			—	—		15.0	0.58				B4	A	1928
PR11 = 406rc	RCC triode	4.0*	0.06			—	—		65.0	0.62				B4	A	1928
PR16	RF triode	6.0*	0.10			—	—		19.0	0.95				B4	A	1928
PR17	RF or detector triode	6.0*	0.10			—	—		24.0	0.70				B4	A	1928
PR18	AF triode	6.0*	0.10			—	—		15.0	0.60				B4	A	1928
PR19	RCC triode	6.0*	0.10			—	—		80.0	0.50				B4	A	1928
PR20 = 2P	Output triode	2.0*	0.15			—	—		7.0	0.86				B4	A	1928
PR40 = 4P	Output triode	4.0*	0.15			—	—		8.0	0.75				B4	A	1928
PR60 = 6P	Output triode	6.0*	0.10			—	—		8.0	0.65				B4	A	1928
PR120	Output triode	2.0*	0.30			—	—		3.8	1.05				B4	A	1929
PR140	Output triode	4.0*	0.20			—	—		4.0	1.00				B4	A	1929
SG25	RF tetrode	2.0*	0.20						220.0	0.68				B4		1929

Note: The equivalent Britannia types are shown for the PR1 to PR11, PR20, PR40 and PR60 valves

Type	Description	Filament		Anode		Auxiliary grid		Grid -V	r_a k Ω	g_m / g_c mA/V	R_L k Ω	P_o Watts	R_k Ω	Base		Year
		Volts	Amps	Volts	mA	Volts	mA							Type	Ref.	
Power Tone																
406/H	RF triode	4.0*	0.06			—	—							B4	A	1928
QUADRUPLE VALVE CO.																
Three-In-One	Triple triode					—	—							Special		1929
Four-In-One	Quadruple triode	1.8*	0.50		8.0	—	—							Special		1929
QUIKKO																
B.E.HF	Detector or RCC triode	4.0*	0.50	120		—	—		52.0	0.34				B4	A	1926
B.E.LF	Detector or AF triode	4.0*	0.50	100		—	—		12.0	0.50				B4	A	1926
D.E.2 HF	Detector or RCC triode	2.0*	0.25	120		—	—		45.0	0.31				B4	A	1926
D.E.2 LF	General-purpose triode	2.0*	0.20	120		—	—		14.0	0.35				B4	A	1926
D.E.25 HF	Detector or RCC triode	2.0*	0.25	100		—	—		58.0	0.29				B4	A	1926
D.E.25 LF	Detector or AF triode	2.0*	0.25	80		—	—		18.5	0.28				B4	A	1926
P.2	Detector or AF triode	2.0*	0.40	120		—	—		10.0	0.57				B4	A	1926
P.4	Output triode	2.0*	0.40	100		—	—		10.0	0.57				B4	A	1926
P.6	Output triode	6.0*	0.25	120		—	—		6.5	0.84				B4	A	1926
V.24	Low capacity RF triode	5.0*	0.15	60		—	—		20.0	0.30						1926
RADIO MICRO																
Bi-Volt	General-purpose triode	1.8*	0.20	40-80		—	—							B4	A	1926
D.E.06	General-purpose triode	3.5*	0.06	40-80		—	—							B4	A	1926
D.E.2V	General-purpose triode	2.0*	0.20	30-100		—	—							B4	A	1926
D.E.4V	General-purpose triode	4.0*	0.06	30-100		—	—							B4	A	1926
H	Triode	4.0*	0.50	20-60		—	—							B4	A	1926
H.V.L.	Triode	4.0*	0.50	30-100		—	—							B4	A	1926
K	General-purpose triode	2.0*	0.06	30-100		—	—							B4	A	1926
M.R.3	Triode	3.5*	0.06	40-80		—	—							B4	A	1926
New Power	Output triode	3.5*	0.10	40-250		—	—		10.0					B4	A	1926
Power	Output triode	3.5*	0.30	40-250		—	—		8.0					B4	A	1926
Radiola	Triode					—	—							B4	A	1926
Special	General-purpose triode	3.5*	0.06	40-80		—	—		30.0					B4	A	1926

Type	Description	Filament		Anode		Auxiliary grid		Grid	r _a	g _m / g _c	R _L	P _o	R _k	Base		Year
		Volts	Amps	Volts	mA	Volts	mA	–V	kΩ	mA/V	kΩ	Watts	Ω	Type	Ref.	
RADION																
406 HF	RF or RCC triode	3.7*	0.06	60-150		—	—		60.0	0.33				B4	A	1926
406 LF	Detector or AF triode	2.7*	0.06	60-120		—	—	0-6	18.0	0.40				B4	A	1926
4V L.S.	Output triode	3.8*	0.40	60-120		—	—	0-9	10.0	0.80				B4	A	1926
5V.25B	General-purpose triode	5.0*	0.25	20-120		—	—	0-6	8.0	0.90				B4	A	1927
5V.25C	General-purpose triode	5.0*	0.25	20-120		—	—	0-6	8.0	0.90				US4	A	1927
5V.25H.B	General-purpose triode	5.0*	0.25	60-150		—	—	0-4.5	27.0	0.74				B4	A	1927
5V.25H.C	General-purpose triode	5.0*	0.25	60-150		—	—	0-4.5	27.0	0.74				US4	A	1927
D.E.06 HF	General-purpose triode	2.7-3.0*	0.06	40-120		—	—	0-6	59.0	0.28				B4	A	1925
D.E.06 LF	AF triode	2.7-3.0*	0.06	40-120		—	—	0-6	27.0	0.33				B4	A	1925
D.E.34 HF	General-purpose triode	1.6-2.0*	0.34	30-100		—	—	0-4.5	60.0	0.16				B4	A	1925
D.E.34 LF	AF triode	1.6-2.0*	0.34	40-120		—	—	3-9	30.0	0.28				B4	A	1925
H.F.6	RF or RCC triode	3.6*	0.60	40-120		—	—		59.0	0.30				B4	A	1926
L.S.2	Detector or AF triode	1.8-2.0*	0.34	40-120		—	—	1-6	12.7	0.47				B4	A	1926
Pyramid 2	AF or output triode	3.7-4.0*	0.34	40-120		—	—	0-9	8.0	0.70				B4	A	1925
Pyramid 3	AF or output triode	3.8*	0.18	40-120		—	—	0-9	8.0	0.70				B4	A	1926
Pyramid 4	AF or output triode	1.8*	0.70	40-120		—	—	3-9	8.0	0.70				B4	A	1926
Special Detector	Detector triode	3.6*	0.60	20-100		—	—		27.0	0.30				B4	A	1926
V.L.S.2	AF or output triode	1.8*	0.40	40-120		—	—	3-12	12.7	0.47				B4	A	1926
RADVACO																
RATRACO																
B	General-purpose triode	4.0*	0.70	50-200		—	—		25.0	0.25				B4	A	1926
B.E.	General-purpose triode	3.5*	0.50	50-100		—	—		40.0	0.25				B4	A	1926
S.B.1	General-purpose triode	3.0*	0.06	30-100		—	—		25.0	0.40				B4	A	1926
S.B.2	Output triode	5-6*	0.25	120		—	—							B4	A	1926
S.B.3	General-purpose triode	4-5*	0.50	30-75		—	—		40.0	0.25				B4	A	1926
S.B.4	General-purpose triode	4.0*	0.70	50-200		—	—		25.0	0.40				B4	A	1926
S.B.5	Bi-Grid tetrode	4.0*	0.70	4-12		—	—							B4	A	1926
S.B.6	General-purpose triode	1.8*	0.15	30-100		—	—		40.0	0.25				B4	A	1926
S.B.8	General-purpose triode	1.0*	0.06	30-100		—	—		22.5	0.40				B4	A	1926
S.B.9	Output triode	1.0*	0.20	50-150		—	—	1.5-9						B4	A	1926
S.B.10	Output triode	1.8*	0.20	50-150		—	—	1.5-9						B4	A	1926

Type	Description	Filament		Anode		Auxiliary grid		Grid	r_a	g_m / g_c	R_L	P_o	R_K	Base		Year
		Volts	Amps	Volts	mA	Volts	mA	-V	k Ω	mA/V	k Ω	Watts	Ω	Type	Ref.	
RADIO RECORD																
AC/DC4	Octode FC	4.0	0.65	mix250 osc90	1.6 2.0	70	3.8	1.5		0.6^				B7	B	
AC/DD4A	Double diode	4.0	0.65	200	0.8	—	—							B5	R	
AC/DDTR	Double diode triode	4.0	0.65	250	4.0	—	—	5.0	11.4	3.60			1000	B7	G	
AC/HFP	RF pentode	4.0	1.00	200	3.5	100	0.6	2.0		3.50			600	B5 B7	B E	
AC/HL	Medium- μ triode	4.0	1.00	200	3.0	—	—	4.0	13.3	3.00				B5	A	
AC/HPB	RF pentode	4.0	0.65	250	2.9	250	0.8	2.0		4.00			500	B7	E	
AC/NHL	Triode	4.0	0.65	250	5.0	—	—	4.5	11.0	3.5			1000	B5	A	
AC/OC4	Octode FC	4.0	0.65	mix250 osc90		70		1.5/25		0.7^				B7	B	
AC/P	Output triode	4.0*	1.00	250	20.0	—	—	18.0	2.5	4.00	5.0	1.0		B4	A	
AC/PT	Output pentode	4.0	1.20	350	40.0	250		18.0	60.0	3.50	7.0	3.0	400	B5+st B7	Q Z	
AC/PT4VB	Output pentode	4.0	2.00	250	40.0	250		6.0		10.0	7.0	3.6	150	B7	Z	
AC/PTA	Output pentode	4.0	1.20	250	41.0	250		16.5		3.50	7.0	3.0	400	B5+st B7	Q Z	
AC/PX4	Output triode (IH)	4.0	1.00	250	48.0	—	—	33.0	850 Ω	6.00	2.4	2.8	700	B4	A	
AC/S	RF tetrode	4.0	1.00	200	3.0	100	0.8	2.0	400.0	3.00			500	B5	B	
AC/TH4	Triode hexode FC	4.0	1.00	h300 t150		80		1.5/25		1.0^				B7	C	
AC/VHFP	VM RF pentode	4.0	1.00	200	5.0	100	1.3	2/35		3.50				B7	E	
AC/VHPB	VM RF pentode	4.0	0.65	250	10.0	250	2.5	1/50		4.00				B7	F	
AC/VS	VM RF tetrode	4.0	1.20	200	3.0	100	0.8	1.5/40	350.0	3.00				B5	B	
BB2A	Class B double triode	2.0*	0.25	150	2.5	—	—	3.0			10.0	2.0		B7	K	
BB2B	Class B double triode	2.0*	0.25	135		—	—	0			10.0	1.7		B7	K	
DDA/13	Double diode	13.0	0.20	200	0.8	—	—							B5	C	
DDA/13L	Double diode	13.0	0.20	200	0.8	—	—							Ct5	A	
DDTR2	Double diode triode	2.0*	0.10	135	1.0	—	—	3.0	21.4	1.40				B5	E	
DDTR/13	Double diode triode	13.0	0.20	200	4.0	—	—	5.0	11.0	3.60			1000	B7	G	
DDTR/13L	Double diode triode	13.0	0.20	200	4.0	—	—	5.0	11.0	3.60			1000	Ct8	G	
DL2	Detector triode	2.0*	0.10	150	3.0	—	—	4.5	14.0	1.30				B4	A	
H2	General-purpose triode	2.0*	0.10	200	1.0	—	—	3.0	23.0	1.30				B4	A	
HFP2	RF pentode	2.0*	0.12	150	1.9	150	0.7	1.5		1.90				B4	B	
HFP/13	RF pentode	13.0	0.20	200	3.0	100	1.5	2.0		2.40			450	B7	F	

Type	Description	Filament		Anode		Auxiliary grid		Grid	r_a	g_m / g_c	R_L	P_o	R_K	Base		Year
		Volts	Amps	Volts	mA	Volts	mA	-V	k Ω	mA/V	k Ω	Watts	Ω	Type	Ref.	
RADIO RECORD																
HFP/13L	RF pentode	13.0	0.20	200	3.0	100	1.5	2.0		2.40			450	Ct8	Q	
HPB/13	RF pentode	13.0	0.20	200	3.5	200	1.5	1.5		3.50			300	B7	F	
L2	AF triode	2.0*	0.12	150	3.2	—	—	5.0	15.0	1.20				B4	A	
LP2	Output triode	2.0*	0.20	150	5.0	—	—	6.0	3.9	3.50	7.5	0.2		B4	A	
NHL/13	Triode	13.0	0.20	200	6.0	—	—	4.0	12.0	3.50			1000	B7	Y	
NHL/13L	Triode	13.0	0.20	200	6.0	—	—	4.0	12.0	3.50			1000	Ct8	C	
OC2	Octode FC	2.0*	0.13	mix150 osc110		70		1/12		0.27^				B7	A	
OC/13	Octode FC	13.0	0.20	mix200 osc90		70		1.5/25		0.6^				B7	B	
OC/13L	Octode FC	13.0	0.20	mix200 osc90		70		1.5/25		0.6^				Ct8	B	
P2	Output triode	2.0*	0.15	150	10.0	—	—	12.0	3.3	1.50	7.0	0.26		B4	A	
PT2	Output pentode	2.0*	0.22	150	8.0	150		6.0	33.0	1.50	14.0	0.60		B4+st B5	Z F	
PT2C	Output pentode	2.0*	0.26	150	28.0	150		12.0		2.00	6.0	1.0		B5	F	
PT/24DA	Output pentode	24.0	0.20	200	45.0	100		19.0		8.00	5.0	3.0		B7	Z	
PT/24DAL	Output pentode	24.0	0.20	200	45.0	100		19.0		8.00	5.0	3.0	400	Ct8	D	
PT24M	Output pentode (a.c.)	4.0*	1.10	250	42.0	250		15.0		4.00	7.5	3.1	400	B5	F	
PT/35DA	Output pentode	35.0	0.20	200	50.0	200		8.0		8.50	4.4	3.2	160	B7	D	
S2	RF tetrode	2.0*	0.12	200	1.5	100	0.3	3.0	300.0	1.20				B4	B	1935
SP2	Output triode	2.0*	0.20	150	14.0	—	—	18.0	2.2	3.00	6.7	0.36		B4	A	
TH/21DA	Triode hexode FC	21.0	0.20	h200 t150		80		1.5/25		0.1^				B7	F	
VHFP	VM RF pentode	4.0	1.00	250	4.5	100	1.9	2.0	1M	2.30				B5 B7	B E	
VHFP/13	VM RF pentode	13.0	0.20	200	8.0	100	2.9	1/10		3.50				B7	F	
VHFP/13L	VM RF pentode	13.0	0.20	200	8.0	100	2.9	1/10						Ct8	Q	
VHP2	VM RF pentode	2.0*	0.12	150	2.5	150	0.6	0.9/17		1.70				B7	D	
VHP/13	VM RF pentode	13.0	0.20	200	8.0	100	2.6	3/55		2.80				B7	F	
VHP/13L	VM RF pentode	13.0	0.20	200	8.0	100	2.6	3/55		2.80				Ct8	Q	
VHPB/13	VM RF pentode	13.0	0.20	200	10.0	200	3.5	1/50		3.50				B7	F	
VS2	VM RF tetrode	2.0*	0.12	150	1.0	75	0.1	0.5		1.50				B4	B	

Type	Description	Filament		Anode		Auxiliary grid		Grid	r_a	g_m / g_c	R_L	P_o	R_K	Base		Year
		Volts	Amps	Volts	mA	Volts	mA	-V	k Ω	mA/V	k Ω	Watts	Ω	Type	Ref.	
SCOTT-TAGGART	Mullard Equivalent															
ST21	PM1HF															1926
ST21A	PM1A															1926
ST23	PM1LF															1926
ST23	PM2															1926
ST41	PM3															1926
ST41A	PM3A															1926
ST42	PM4															1926
ST43	PM254															1926
ST61	PM5															1926
ST61A	PM5B															1926
ST61B	PM5X															1926
ST62	PM6															1926
ST63	PM256															1926
SIX-SIXTY	Mullard Equivalent															
SS2AHF	PM1HF															1926
SS2ALF	PM1LF															1926
SS2HF	D.3HF															1926
SS3HF	DE3B															1926
SS3LF	pm4															1926
SS4	DFA1															1926
SS4D AC	164V															1929
SS4DDT AC	TDD4															1933
SS4Det AC	164V (1930 version)															1930
SS4DG AC	Possibly PM4DG															
SS4DX AC	904V															1931
SS4GP AC	354V															1930
SS4HL AC	244V															1933
SS4L AC	164V (later version)															1931
SS4MM AC	MM4V															1932
SS4P AC	104V															1929
SS4Pen	PM24A															1929
SS4Pen AC	Pen4V															1931
SS4PenA AC	Pen4VA															1933
SS4PenM	PM24M															1932

Type	Description	Filament		Anode		Auxiliary grid		Grid	r_a	g_m / g_c	R_L	P_o	R_k	Base	Ref.	Year
		Volts	Amps	Volts	mA	Volts	mA	-V	$k\Omega$	mA/V	$k\Omega$	Watts	Ω	Type		
SIX-SIXTY cont.	Mullard Equivalent															
SS4PenSP	PM24A															1931
SS4SG AC	S4V															1929
SS4SP AC	054V															1931
SS4VM AC	VM4V															1932
SS4XSG AC	S4VA															1930
SS4YSG AC	S4VB															1930
SS6	DFA4															1926
SS7	PM4															1927
SS7A	PM254															1927
SS8	PM3															1926
SS9	PM5															1926
SS10	PM2															1926
SS11	PM6															1926
SS11A	PM256															1927
SS12	PM5X															1927
SS13	PM5B															1927
SS210D	PM2DX															1931
SS210DDT	TDD2A															1934
SS210DG	PM1DG															1931
SS210HF	PM1HF															1928
SS210HL	PM1HL															1933
SS210LF	PM1LF															1928
SS210RC	PM1A															1928
SS215P	PM2															1928
SS215SG	PM12															1929
SS215VSG	PM12V															1932
SS217D	PM2DX															1930
SS218HP	SP2															1934
SS218SG	PM12A															1928
SS218VP	VP2															1934
SS218VSG	PM12M															1932
SS220B	PM2B															1933
SS220P	PM2															1929
SS220PA	PM2A															1931

Type	Description	Filament		Anode		Auxiliary grid		Grid	r_a	g_m / g_c	R_L	P_o	R_K	Base	Ref.	Year
		Volts	Amps	Volts	mA	Volts	mA	-V	k Ω	mA/V	k Ω	Watts	Ω	Type		
SIX-SIXTY cont.	Mullard Equivalent															
SS220Pen	PM22A															1932
SS220SP	PM202															1931
SS225D	PM2DX															1929
SS230Pen	PM22															1928
SS230PP	PM22															1928
SS230SP	PM252															1929
SS240SP	PM252															1931
SS410D	PM4DX															1929
SS410P	PM4															1928
SS415PP	PM24															1928
SS420SP	PM254															1928
SS425SP	PM254															
SS610D	PM6D															1929
SS610P	PM6															1928
SS617PP	PM26															1929
SS625SP	PM256															1928
SS625SPA	PM256A															1930
SS4075HF	PM3															1928
SS4075RC	PM3A															1928
SS4075SG	PM14															1928
SS6075HF	PM5X															1928
SS6075RC	PM5B															1928
SS6075SG	PM16															1929
SSHP1AC	SP4															1933
SSHP2AC	VP4															1933
SSHV4/1	ACO64															1931
SSHV4/2	AC044															1931
SSHV6/5	DO25															1930
SPLENDOR																
H612	Triode	2.0*	0.06	60-100										B4	A	
V1010	Triode	4.0*												B4	A	
STAL																
A1	General-purpose triode	2.0*	0.06	120		—	—		19.0	0.55				B4	A	1928
A2	General-purpose triode	3.5*	0.06	120		—	—		20.6	0.30				B4	A	1928
A3	Output triode	2.0*	0.22			—	—		6.25	1.33				B4	A	1928

Type	Description	Filament		Anode		Auxiliary grid		Grid	r _a	g _m / g _c	R _L	P _o	R _K	Base		Year
		Volts	Amps	Volts	mA	Volts	mA	−V	kΩ	mA/V	kΩ	Watts	Ω	Type	Ref.	
STANDARD																
G.125	General-purpose triode	1.0	0.25	60		—	—		25.0	0.24				B4	A	1925
G.125A	General-purpose triode	1.0	0.25	50		—	—		25.0	0.24				UV	A	1925
H.125	RF or detector triode	1.0	0.25	60-90		—	—		45.0	0.24				B4	A	1925
H.125A	RF or detector triode	1.0	0.25	60-90		—	—		45.0	0.24				UV	A	1925
P.425	Output triode	4.0	0.90	120-160		—	—	2-8	5.5	1.00				B4	A	1925
P.425A	Output triode	4.0	0.25	120-160		—	—	2-8	6.0	1.00				UV	A	1925
P.A.4	Output triode	4.0	0.25	100-160		—	—	5-15	6.0	1.00				B4	A	1925
P.B.1	Triode (no data)					—	—									
STC																
3A/101-B	Triode	4.5	1.00	190	12.0	—	—	16.0	5.7	1.00	5.0	0.23		B5	A	
3A/102-B	Triode	4.0	1.10	190	2.1	—	—	2.0	60.0	0.50				B5+tc	N	
3A/105-B	Low-noise triode	13.0	0.19	250	15.0	—	—	2.5	19.0	2.10				B4+tc	AD	
3B/100-B	Triode	4.0	1.10	200	40.0	—	—	10.0	2.0	6.50				B5	A	
3B/101-B	Triode	4.0	1.00	200	6.0	—	—	2.0	10.0	5.00				B5	A	
3B/200-B	Power triode (Class B push-pull)	6.0*	1.10	600	12/64	—	—	17.0	5.0	5.00	<u>9.0</u>	40		B4	A	
5A/102-A 5A/102D	Output pentode	7.5	0.85	180	50.0	150	10.0	18.0	43.0	2.50	4.0	1.0		USM6 IO	B h	
5A/105A	RF pentode	4.0	0.425	250		100				10.00				IO	EQ	
4011-A	Power triode (oxide)	8.0*	1.60	500	50.0	—	—	30.0	3.2	2.10	5.0	2.5	—	LB4	—	
4011-B	Power triode (oxide)	8.0*	1.60	350	60.0	—	—	45.0	1650Ω	4.20	2.0	2.1		LB4	—	
4012-A	Power triode (oxide) (Class B push-pull)	10.0*	3.00	1000	21/105	—	—	20-25	9.5	3.90	<u>8.1</u>	110		BC4	A	
4019-A 4019-B	General-purpose triode	4.0*	0.25	190	9.7	—	—	8.0	5.5	1.17	11.0	0.24		BC4 B4	A A	
4020-A 4020-B 4020-C	Repeater triode	2.0*	0.25	160	1.28	—	—	2.0	44.0	0.60	88.0			BC4 B4 BC4	A A D	
4021-A 4021-B 4021-C	Repeater triode	4.0*	0.25	160	32.5	—	—	10.0	2.0	3.00	2.93	0.18		BC4 B4 BC4	A A D	
4022-AR 4022-B	Triode	4.0*	0.25	190	16.2	—	—	6.0	5.5	2.20	8.0	0.12		BC4 B4	A A	
4033-A & AF 4033-AA	Power triode (oxide) (Class A push-pull)	6.0	1.50	400 500	50.0 <u>100.0</u>	—	—	20.0 25.0	1.67	9.00	7.0 <u>6.0</u>	4.0 11	— —	B5 USM5	A A	
4043-A & C 4043-B & D	Power triode (oxide) (Class B push-pull)	7.5*	1.20	500	20/80	—	—	55-65	3.5	2.30	<u>8.0</u>	50	—	USM4 B4	A A	

Type	Description	Filament		Anode		Auxiliary grid		Grid	r _a	g _m / g _c	R _L	P _o	R _k	Base		Year
		Volts	Amps	Volts	mA	Volts	mA	–V	kΩ	mA/V	kΩ	Watts	Ω	Type	Ref.	
STC cont																
4046-A	Pentode	4.0	1.00	200	3.5	100		1.5	800.0	3.00				B5	B	
4056-A 4056-B	Power triode (thoriated) (Class B modulator)	6.0*	1.90	1000	13/67	—	—	70.0	5.5	2.20	13.0	73		L4 LB4	A —	
4061A	Power pentode	6.3	0.80	500	55.0	200	35.0	10.0	200.0	2.50				USM7	Q	
4066-A	Power pentode	4.0	2.00	250	29.0	250		6.0	60.0		3.9	2.75		B7	Z	
4074-A	Double triode	6.3	0.80	300	30.0	—	—	13.0	4.7	3.00	5.0	0.8		USM7	M	
4097-A	Power triode (oxide) (Class B push-pull)	6.0*	1.10	500	25.0	—	—	38.0	3.0	3.30	3.3	75.0		B4	A	
4101-D , E & G	General-purpose triode	4.5*	1.00	130	7.8	—	—	9.0	5.7	1.07	11.6	65mW	—	BC4	A	
4102-D, E & G	Repeater triode (Anode bend detector)	2.0*	0.97	130 130	0.75 0.10	—	—	1.5 3.5	60.0	0.50				BC4	A	
4104-D, E & G	Output triode for carrier telephony	4.4*	0.97	160	25.0	—	—	30.0	2.0	2.30	3.0	0.31		BC4	A	
4205-E	Power triode (oxide)	4.5*	1.60	350	30.0	—	—	22.5	3.5	2.00	7.8	0.8	—	BC4	A	
4211-D and E	Power triode (oxide)	10.0*	3.00	900	55.0	—	—	45.0	3.0	4.00	10.0	8.1	—	LB4	—	
4212-D	Power triode (oxide) (Class AB push-pull)	14.0*	6.00	1500	130.0 167.0	—	—	67.0 60-80	2.0	8.00	4.0 8.0	45 230	— —	USL4b	—	
4212-E	Power triode (thoriated)	14.0*	6.00	1500	170.0	—	—	57.0	1.9	8.40	5.0	50		USL4b	—	
4215-A	Peanut triode	1.1*	0.25	60	1.00	—	—	5.0	25.0	0.24				Peanut	—	
4328-A 4328-D	Pentode	7.5	0.425	250	5.5	135		3.0						USS6 IO	B	
4239-A	Triode for condenser microphone	1.1*	0.27	100	1.75	—	—	10.0	15.0	5.50	15.0	20mW		USS4	A	
4242-A	Power triode (thoriated)	10.0*	3.25	1000	75.0	—	—	50.0	3.5	4.50	6.0	13.5	—	USL4b	—	
4264-A	Low-noise triode	1.5*	0.30	100	2.0	—	—	8.0	12.9	7.00	12.0	30mW		USS4	A	
4275-A	Power triode (oxide)	5.0*	1.20	300	51.0	—	—	80.0	1.0	2.45	2.2	4.9		USM4b	A	
4300-A	Power triode (oxide)	5.0*	1.20	400	80.0	—	—	84.0			2.5	12.5		USM4b	A	
4307-A & AF	Power pentode	5.5*	1.00	300	43.0	300		30.0			4.5	9.1		USM5	H	
VLS350	See 3A/101-B					—	—									
VLS407	See 3A/102-B					—	—									
VLS417-B	See 3B/200-B					—	—									
VLS452	See 5A/102-A					—	—									

Type	Description	Filament		Anode		Auxiliary grid		Grid	r_a	g_m / g_c	R_L	P_o	R_K	Base		Year
		Volts	Amps	Volts	mA	Volts	mA	-V	k Ω	mA/V	k Ω	Watts	Ω	Type	Ref.	
SUTRA																
Microsutra	General-purpose triode	2.0*	0.06			—	—		30.0					B4	A	1927
Supersutra	Output triode	2.0*	0.15			—	—		7.0					B4	A	1927
TELA-RADIO																
DE.06 (2V)	General-purpose triode	1.8-2.0*	0.34			—	—							B4	A	1926
DE.06 (3V)						—	—							B4	A	
DE.034 (2V)						—	—							B4	A	
D.E.3	General-purpose triode	3.0*	0.06			—	—							B4	A	1926
D.E.4	General-purpose triode	4.0*	0.06			—	—							B4	A	1926
DET (4V)						—	—							B4	A	
G.P. (4V)	General-purpose triode	3.5-4.0*	0.06			—	—							B4	A	1926
HP (2V)						—	—							B4	A	
HP (4V)						—	—							B4	A	
HP LS7						—	—							B4	A	
T.P.3	General-purpose triode	2.5-3.0*	0.06			—	—							B4	A	1926
THREE SIX TWO																
ACFC4	Heptode FC	4.0	1.00											B7	B	1935
ACH4	General-purpose triode	4.0	1.00	200	3.0	—	—	4.0	15.0	3.30				B5	A	1933
ACHL4	Detector or AF triode	4.0	1.00	250	5.0	—	—	5.0	10.0	3.30				B5	A	1934
ACHL4dd	Double diode triode	4.0	1.00	250	7.0	—	—	3.0	16.0	2.50				B7	G	1935
ACHM4	RF pentode	4.0	1.00	250	10.0	100	4.0			2.50				B5	B	1934
ACL4	Output triode	4.0	1.00	250	9.0	—	—	15.0	5.0	4.0				B5	A	1933
ACME4	Output pentode	4.0	1.00	250	36.0	180	12.0	8.0		8.0	3.0			B5+st	Q	1934
ACME4a	Output pentode	4.0*	1.00	250	36.0	180	12.0	8.0		8.0	3.0			B4+st	Z	1934
ACME4b														B5	F	1935
ACME4c	Output pentode	4.0	2.00	250	49.0	250	19.0	16.0		3.0	3.5			B7	Z	1935
ACP4	Output triode	4.0	1.00	250	20.0	—	—	20.0	2.0	4.00				B5	A	1933
ACPN4	Output pentode	4.0	1.00	250	20.0	250	4.0	24.0			6.0	2.5		B5+st B7	Q Z	1933 1933
ACPX4 = PX4	Output triode	4.0	1.00	250	40.0	—	—	15.0	2.0	4.00	3.0	2.5		B5	A	1934
ACPX4a = PX4a	Output triode	4.0*	1.00	250	40.0	—	—	15.0	2.0	4.00	3.0	2.5		B4	A	1934
ACSG4	RF tetrode	4.0	1.00	250	4.0	40	1.0		400.0	2.50				B5	B	1933
ACVP4	VM RF pentode	4.0	1.00	250	6.0	100	2.0	1/20	400.0	3.00				B7	E	1934
ACVS4	VM RF tetrode	4.0	1.00	250	6.0	50	2.0	1/40	400.0	2.00				B5	B	1933
BA2	Class B double triode	2.0*	0.20	150	1.5/6	—	—	0			10.0	1.5		B7	K	1933
BX2	Class B double triode	2.0*	0.40	180	2/5/10	—	—	0			7.0	3.0		B7	K	1933

Type	Description	Filament		Anode		Auxiliary grid		Grid	r_a	g_m / g_c	R_L	P_o	R_K	Base		Year
		Volts	Amps	Volts	mA	Volts	mA	-V	k Ω	mA/V	k Ω	Watts	Ω	Type	Ref.	
THREE SIX TWO																
CLP	Output triode	6.5	0.60	250	27.0	—	—	20.0	2.0	4.00	3.0	1.50		B5	A	1935
CME	Output pentode	6.5	0.60	250	32.0	250	9.0	17.0			4.0	2.5		B7	Z	1935
DB	Class B double triode	25.0	0.30	250	25/40	—	—	0			10.0	3.0		B7	K	1935
H2 H4 H6	Detector or RC triode	2.0* 4.0* 6.0*	0.10 0.10 0.10	150	2.0	—	—	1.5	32.0	1.00				B4	A	1933
HL2 HL4 HL6	Detector triode	2.0* 4.0* 6.0*	0.10 0.10 0.10		3.0	—	—	3.0	16.0	1.50				B4	A	1933
L2 L4 L6	AF triode	2.0* 4.0* 6.0*	0.10 0.10 0.10		4.0	—	—	4.5	12.0	1.20				B4	A	1933
LP2 LP4 LP6	Output triode	2.0* 4.0* 6.0*	0.20 0.10 0.10	150	7.0	—	—	7.5	5.0	3.00	13.0	0.30		B4	A	1933
ME2 ME2a	Output pentode	2.0*	0.20	200	12.0	150	4.0	10.0		2.00	20.0	0.50		B5 B4+st	F Z	1933 1933
ME4 ME4a	Output pentode	4.0*	0.10	200	12.0	150	4.0	10.0		2.00	20.0	0.50		B5 B4+st	F Z	1933 1933
ME6 ME6a	Output pentode	6.0*	0.10	200	12.0	150	4.0	10.0		2.00	20.0	0.50		B5 B4+st	F Z	1933 1933
ME25	Output pentode	4.0*	2.00	400	60.0	400	19.0	40.0			6.0	9.0		B5	F	1935
MHL20	Detector or AF triode	20.0	0.18	250	5.0	—	—	5.0	10.0	3.30				B5	A	1934
MHM20	RF pentode	20.0	0.18	250	10.0	100	4.0			2.50				B5	B	1934
MME20	Output pentode	20.0	0.18	250	36.0	180	12.0	8.0	8.0	3.00				B5+st	Q	1934
MP4	Split-anode tetrode	4.0	1.00	250	8.0	150	2.0		100.0	2.50				B7	BG	1937
MPX20	Output triode	20.0	0.18	250	40.0	—	—	15.0	2.0	4.00	3.0	2.5		B5	A	1934
MSG20	RF tetrode	20.0	0.18	250	4.0	40	1.0		400.0	2.50				B5	B	1934
MVS20	VM RF tetrode	20.0	0.18	250	6.0	50	2.0	1/40	400.0	2.00				B5	B	1934
P2 P4 P6	Output triode	2.0* 4.0* 6.0*	0.20 0.10 0.10	180	14.0	—	—	12.0	3.0	3.00	6.0	0.6		B4	A	1933
P625	Oscillator or power triode	6.0*	0.25	350	50.0	—	—	50.0	2.0	2.50	5.0	1.5		B4	A	1937
PX4a	Output triode	4.0*	1.00	250	50.0	—	—	25.0	1.2	5.00	2.5	3.0		B4	A	
PX25	Power triode (Class A)	4.0*	2.00	400	65.0	—	—	50.0	1.0	6.00	3.0	7.0		B4	A	1935
PX25A	Output triode (Class A)	4.0*	2.00	250	50.0	—	—	25.0	1.2	5.00	2.5	3.0		B4	A	

Type	Description	Filament		Anode		Auxiliary grid		Grid	r _a	g _m / g _c	R _L	P _o	R _k	Base		Year
		Volts	Amps	Volts	mA	Volts	mA	−V	kΩ	mA/V	kΩ	Watts	Ω	Type	Ref.	
THREE SIX TWO																
PX50	Power triode	6.0*	2.00	500	100.0	—	—	70.0	800Ω	6.00	7.5	13.0		L4	A	1935
PX60	Power triode (Class A)	6.0*	2.00	600	100.0	—	—	100.0	800Ω	5.00	5.0	18.0		L4	A	
PX100	Power triode	6.0*	3.00	1000	100.0	—	—	140.0	1.0	6.00	7.0	34.0		L4	A	1935
PX120	Power triode	6.0*	4.00	1000	120.0	—	—	114.0	1.0	7.00	6.5	37.0		L4	A	
PX200	Power triode (Class A)	12.0*	4.00	1500	140.0	—	—	108	1.0	12.00	8.5	72.0				
PX300	Power triode	13.0*	5.00	2000	150.0	—	—		2.5	8.00						
RFP8/14	Power Tx pentode	4.0*	1.00	400	35.0	250	13.0	20.0		4.00				B5 B7	B	1937 1937
RFP15	Power Tx pentode	4.0*	1.00	500	55.0	350	18.0	20.0		4.00	10.0	21.0		B5	B	1936
RFP30	Power Tx pentode	4.0*	2.00	650	75.0	400	25.0			5.00	10.0	37.0		B5	B	1936
RFP60	Power Tx pentode	6.0*	2.00	900	105.0	500	35.0	30.0		6.00	10.0	70.0		B5	B	1936
RFP120	Power Tx pentode	6.0*	3.00	1400	120.0	600				5.00	10.0					1936
SG2 SG4 SG6	RF tetrode	2.0* 4.0* 6.0*	0.20 0.10 0.10	150	4.0	60	1.0		400.0	1.50				B4	B	1933
SP2	Output triode	2.0*	0.20	150	14.0	—	—	15.0	2.0	3.50				B4	A	
SR2	Output triode	2.0*	0.30	200	10.0	—	—	10.0		2.00				B4	A	1937
SR4	Output triode	4.0	1.00	250	20.0	—	—	20.0		4.00				B5	A	1937
UFC	Heptode FC	6.5	0.30	250	4.0	150			1/10					B7	B	1934
UHdd	Double diode triode	6.5	0.30	250	5.0	—	—	3.0	20.0	2.00				B7	B	1935
UHL	General-purpose triode	6.5	0.30	250	6.0	—	—	4.0	16.0	2.00				B5	A	1935
ULP	Output triode	13.0	0.30	250	27.0	—	—	20.0	2.0	4.00	3.0	1.5		B5	A	1935
UME	Output pentode	13.0	0.30	250	32.0	250	9.0	17.0			4.0	2.5		B7	Z	1935
UPX	Output triode	25.0	0.30	250	38.0	—	—	34.0	800Ω	7.00	3.5	3.0		B5	A	1935
UVP	VM RF pentode	6.5	0.3	250	8.0	150		1/10	300.0	2.00				B7	D	1935
VP2 VP2c	VM RF pentode	2.0*	0.10	150	4.0	60	1.5	0/9	400.0	1.20				B4 B7	B D	1934 1935
VS2 VS4 VS6	VM RF tetrode	2.0* 4.0* 6.0*	0.20 0.10 0.10	150	3.0	60	1.0	0/25	500.0	1.20				B4	B	1933

Note: The 2-, 4- and 6-volt versions of HL, LP, P, VS and SG battery valve were also available in the metal-sheathed 'Toledo' construction.

Type	Description	Filament		Anode		Auxiliary grid		Grid	r _a	g _m / g _c	R _L	P _o	R _k	Base		Year
		Volts	Amps	Volts	mA	Volts	mA	−V	kΩ	mA/V	kΩ	Watts	Ω	Type	Ref.	
TRIOTRON																
072	RF tetrode	2.0*	0.12	200	3.5	100			285.0	0.70				B4	B	1931
084	RF tetrode	4.0*	0.07	200	2.5	100			310.0	0.80				B4	B	1931
094	RF tetrode (d.c.)	4.0*	0.10	200	4.0	100			350.0	0.90				B4	B	1931
104 AC	RF tetrode	4.0	0.90	200	4.0	60			150.0	1.00				B5	B	1931
124 AC	RF tetrode	4.0	0.90	200	1.5	100			400.0	1.00				B5	B	1931
304 AC	RF tetrode	4.0	1.10	200	5.0	100			150.0	3.00				B5	B	1931
A214	Triode	2.0*	0.10	150	4.0	—		4.5	12.0	1.40				B4	A	1934
A420	Detector triode	4.0*	0.09	150	4.0	—	—		7.5	2.00				B4	A	1931
A430	Detector triode (d.c.)	4.0*	0.10	150	3.5	—	—	3.0	8.3	3.00				B4	A	1931
A430N	Detector or a.f. triode	4.0	1.00	200	6.0	—	—	3.5	10.0	2.40				B5	A	1931
A440N	General-purpose triode	4.0	1.00	200	1.0	—	—	1.6	25.0	4.00				B5	A	1932
A2030N	Detector or a.f. triode	20.0	0.18	200	3.0	—	—	4.0	14.5	2.60				B5	A	1932
A2040N	Triode	20.0	0.18	200	0.20	—	—	1.5	30.0	4.00				B5	A	1933
A.D.4	RF of detector triode	4.0*	0.07	150	4.0	—	—	4.5	13.5	1.00				B4	A	1927
A.N.4	General-purpose triode	4.0	0.90	200	4.5	—	—	3.0	14.0	2.00				B5	A	1929
B430N	Single diode tetrode	4.0	1.00	200	0.35	33	0.25	2.3	3.3M	0.30				C7	H	1933
B2030N	Single diode tetrode	20.0	0.18	200	0.35	30	0.25	2.0	333.0	0.30				B7	AW	1933
C.W.N.4	RF tetrode	4.0	0.90	200	6.5	75			150.0	1.00				B5	B	1930
D200	Double diode	2.0*	0.10	125	0.5	—	—							B5	C	1935
D210	Bi-grid tetrode	2.0*	0.10			—	—	1.0		1.00				B4	AB	1931
D400	Double diode	4.0	0.65	200	0.80	—	—							B5	C	1935
D410	Bi-grid tetrode	4.0*	0.08	10-20		10-20				1.00				B4	AB	1931
D410N	B-grid tetrode	4.0	0.90	100	1.7	0	0	0		0.1				B5	Q	1931
D1300	Double diode	13.0	0.20	200	0.8	—								B5	C	1935
DP495	Double diode output pentode	4.0	2.25	250	36.0	250		6.0						B7	X	1938
DP4480	Double diode output pentode	44.0	0.20	200	45.0	200								B7	X	1938
DT215	Double diode triode	2.0*	0.10	135	2.5	—	—	4.5	10.5	1.50				B5	E	1936
DT436	Double diode triode	4.0	0.65	250	4.0	—	—	7.0	7.5	3.60				B7	G	1935
DT1336	Double diode triode	13.0	0.20	200	4.0	—	—	5.0	7.5	3.60				B7	G	1935 1935
E220B	Class B double triode	2.0*	0.30	150	3/7	—	—	0		1.35	18.0	1.35		B7	K	1933
E235	Output triode	2.0*	0.30	200	18.0	—	—	12.0	3.6	3.50	8.0	0.55		B4	A	1932
E414	Output triode	4.0*	0.10	200	9.0	—	—	15.0	4.3	1.40	7.5	0.2		B4	A	1931

Type	Description	Filament		Anode		Auxiliary grid		Grid	r _a	g _m / g _c	R _L	P _o	R _K	Base		Year
		Volts	Amps	Volts	mA	Volts	mA	−V	kΩ	mA/V	kΩ	Watts	Ω	Type	Ref.	
TRIOTRON cont																
E420	Output triode	4.0*	0.15	150	10.0	—	—	18.0	2.5	2.00	6.0	0.35		B4	A	1931
E422	Output triode	4.0*	0.15	200	13.0	—	—	15.0	4.1	2.20	6.0	0.4		B4	A	1931
E425	Output triode	4.0*	0.30	200	26.0	—	—	16.0	2.5	2.50	3.0	1.0		B4	A	1932
E430N	Output triode	4.0	1.00	200	15.0	—	—	15.0	3.0	3.00	10.0	0.35	1000	B4	A	1931
E2020N	Output triode	20.0	0.18	200	15.0	—	—	15.0	3.0	2.00	11.0	0.35	1000	B5	A	1931
H412 = RD4	RF or Detector triode	4.0*	0.075	150	4.0	—	—	4.0	7.5	1.20				B4	A	1931
HD2	RF or Detector triode	2.0*	0.07 0.08	150 200	1.0 5.0	—	—	3.0 5.0	24.0 15.0	0.70 1.00				B4	A	1929 1933
K420	Output triode	4.0*	0.30	200	26.0	—	—	16.0	2.5	2.00	3.0	1.0		B4	A	1931
K435/10	Output triode	4.0*	1.00	250	40.0	—	—	40.0	1.0	3.50	1.5	2.5	1000	B4	A	1931
K450/25	Output triode	4.0*	2.00	400	60.0	—	—	50.0	1.0	5.00	1.5	5.0		B4	A	1931
K450/40	Output triode	4.0*	2.00	800	50.0	—	—	140.0	1.0	5.00	1.5	12.0		B4	A	1931
K450/50	Output triode	4.0*	3.00	400	120.0	—	—	50.0	1.25	5.00	1.5	12.0	500	B4	A	1933
K480	Output triode	4.0*	2.00	550	45.0	—	—	36.0	2.5	8.00	3.0	5.0	800	B4	A	1933
M.D.4	Bi-grid tetrode	4.0*	0.07	20-80		0-20				0.25				B4	AB	1927
O 202	Octode FC	2.0*	0.14	135	0.6	45	2.5	0/12	2.5M	0.25^A				B7	A	1935
O 406	Octode FC	4.0	0.65	250	1.3	70	3.0	1.5/25	1.6M	0.60^A				B7	B	1935
O 1307	Octode FC	13.0	0.20	200	0.80	70	3.0	1.5/25	1.5M	0.60^A				B7 Ct8	B B	1935 1935
P215	Output pentode	2.0*	0.25	150	10.0	150	2.5	15.0	40.0	1.50	10.0	0.5		B4+st B5	Z F	1931 1934
P225	Output pentode	2.0*	0.20	150	2.0	150	2.0	4.5			15.0	0.5		B5 B4+st	F Z	1933 1935
P420	Output pentode	4.0*	0.15	200	13.0	150	2.5	13.5		2.00	9.5	0.75	1000	B5	F	1931
P425	Output pentode	4.0*	0.25	300	20.0	200	5.0	25.0	24.0	2.50	10.0	1.5	1000	B5	F	1931
P430	Output pentode	4.0*	1.00	400	25.0	200	3.5	35.0	20.0	3.00	10.0	3.0	1400	B5	F	1931
P435	Output pentode	4.0*	1.10	250 250	36.0 48.0	250 250	6.0 5.0	14.0 15.0			8.0 7.0	2.5 2.8	350 400	B5	F	1933
P440	Output pentode	4.0*	2.00	550	45.0	200	10.0	40.0	15.0	4.00	7.0	7.0	730	B5	F	1931
P440N	Output pentode	4.0	1.10	250	24.0	250	5.0	15.0		4.00	7.5	2.0	500	B5+st B7	Q Z	1932 1935
P441N	Output pentode	4.0	1.35	250	36.0	250	3.2	22.0			9.0	2.8	540	B7	Z	1934
P460	Output pentode	4.0*	2.00	550	45.0	200	10.0	40.0			7.0	7.0	730	B5	F	1937
P495	Output pentode	4.0	1.50	250	32.0	250	3.0	6.0			8.0	3.5	175	B7	Z	1935
P520	Output pentode (d.c.)	5.0*	0.10	150	10.0	150	2.0	13.5	30.0	2.00	10.0	0.55		B5	F	1931

Type	Description	Filament		Anode		Auxiliary grid		Grid	r_a	g_m / g_c	R_L	P_o	R_k	Base		Year
		Volts	Amps	Volts	mA	Volts	mA	-V	k Ω	mA/V	k Ω	Watts	Ω	Type	Ref.	
TRIOTRON cont																
P2020N	Output pentode	20.0	0.18	200 200	20.0 15.0	200 200	4.0 2.0	18.0 18.0		2.00	10.0 9.0	1.0 1.35	750 1000	B5+st	Q	1931 1934
P2060	Output pentode	24.0	0.20	200	40.0	100	5.0	19.0			7.0	3.5	400	Ct8	D	1935
P2460	Output pentode	24.0	0.18	200	40.0	100	5.0	19.0			7.5	3.5	400	B5+st	Q	1934
P3580	Output pentode	35.0	0.20	250	36.0	250	4.5				4.5	4.0	320	B7	Z	1936
R.D.4	General-purpose triode	4.0*	0.07	150	6.0	—	—	7.5	7.5	1.20				B4	A	1927
S201A	General-purpose triode	2.0*	0.10			—	—							B4	A	1927
S207	RF tetrode	2.0*	0.12	200	3.5	100	0.5		180.0	1.00				B4	B	1932
S208	VM RF tetrode	2.0*	0.15	200	2.0	100	0.25	0/20	360.0	0.80				B4	B	1932
S209	VM RF pentode	2.0*	0.05	135	2.0	135	0.6	0.5/15	1M	0.65				B7	D	1935
S210	RF pentode	2.0*	0.05	135	2.6	135	1.0		1M	0.80				B7	D	1935
S213	VM RF tetrode	2.0*	0.18	150	4.0	75	0.3	0.5/12	350.0	1.50				B4	B	1935
S215	RF tetrode	2.0*	0.18	150	2.75	90	0.5		333.0	1.50				B4	B	1933
S217	VM RF pentode	2.0*	0.18	150	2.5	150	0.5	0.5/16	500.0	1.70				B7	D	1935
S218	RF pentode	2.0*	0.18	150	3.0	150	1.0		550.0	1.85				B7	D	1935
S408	RF tetrode	4.0*														
S409	RF tetrode (d.c.)	4.0*	0.10	200	4.0	100			350.0	0.90				B7	B	1932
S410N	RF tetrode	4.0	1.00	200 200	4.0 3.0	60 100	1.0 0.50		400.0 450.0	1.00 2.00				B5	B	1932 1938
S412N	RF tetrode	4.0	1.00	200	1.5	100			400.0	1.20				B5	B	1932
S415N	VM RF tetrode	4.0	1.10	200	3.0	100	1.0	1.5/40	350.0	1.20				B5	B	1932
S420	VM RF pentode	4.0	0.65	250	11.5	250		3.0						B7	F	1938
S430N	RF tetrode	4.0	1.00	200	4.0	100	0.75		450.0	3.00				B5	B	1932
S431N	VM RF tetrode	4.0	1.00	200	3.0	100	0.75	1/22	350.0	3.00				B5	B	1932
S434N	VM RF pentode	4.0	1.10	200	4.5	100	0.01	1.5/35	1M	3.50				B5 B7	B E	1933 1935
S435N	RF pentode	4.0	1.10	200	3.0	100	0.5		1.45M	3.50				B5 B7	B E	1933 1935
S1323	VM RF pentode	13.0	0.20	200	4.5	100	1.0	2/22	1M	2.80				Ct8	Q	1935
S1324	RF pentode	13.0	0.20	250	3.0	100	1.0		2M	2.40				Ct8	Q	1937
S1328	RF tetrode	13.0	0.20	200	3.0	100	1.0	2.0	2M	2.40				Ct8	Q	1935
S2010N	RF tetrode	20.0	0.18	200	4.0	100	1.0		400.0	1.00				B5	B	1931
S2030N	RF tetrode	20.0	0.18	200	3.0	100	0.75		450.0	3.00				B5	B	1934
S2031N	VM RF tetrode	20.0	0.18	200	12.0	100		1.5/25		3.00				B5	B	1932
S2034N	VM RF pentode	20.0	0.18	200	5.5	100	0.01	2/35	600.0	3.50				B5	B	1933

Type	Description	Filament		Anode		Auxiliary grid		Grid	r_a	g_m / g_c	R_L	P_o	R_k	Base		Year
		Volts	Amps	Volts	mA	Volts	mA	-V	k Ω	mA/V	k Ω	Watts	Ω	Type	Ref.	
TRIOTRON cont																
S2035N	RF pentode	20.0	0.18	200	3.0	100	0.5		1.45M	3.50				B5	F	1933
S.C.2	RF tetrode	2.0*	0.15	200	4.5	75			300.0	0.70				B4	B	1929
S.C.4	RF tetrode	4.0*	0.07	200	2.5	75			300.0	0.80				B4	B	1929
S.C.G.4	RF tetrode (d.c.)	4.0*	0.10	200	4.0	75			350.0	1.00				B4	B	1929
S.C.N.4	RF tetrode	4.0	0.90	200		100				1.20				B5	B	1929
S.D.2, S.D.2M	Detector triode	2.0*	0.14	150	4.0	—	—	3.0	10.4	2.00				B4	A	1929
			0.10	150	4.0			4.5	12.0	1.40						1933
S.D.4	Detector triode	4.0*	0.14	150	4.5	—	—	3.0	9.1	2.00				B4	A	1927
S.G.4	Detector triode (d.c.)	4.0*	0.10	150		—	—	3.5	5.0	2.00				B4	A	1927
S.N.4	RF or detector triode	4.0	0.90	150	7.0	—	—	3.5	8.0	2.75				B5	A	1929
SP2	Output triode	2.0*	0.33	189	17.5	—	—	33.0	2.0	2.00	3.5	0.50		B4	A	1930
T.10	Triode					—	—							B4	A	
TD2	Detector or AF triode	2.0*	0.07	150	3.5	—	—	6.0	14.4	0.75				B4	A	1927
			0.08	150	7.0			7.0	10.0	0.90						1931
			0.10	150	5.0			6.0	8.0	1.25						1938
TH401	Triode hexode FC	4.0	1.45	250	3.5	150		2.0		0.75^A				B7	C	1938
TS4	General-purpose triode	3.4-3.7*	0.06	20-50		—	—		18.0	0.50				B4	A	1926
U.D.2	Output triode	2.0*	0.22	180	15.0	—	—	22.0	3.0	1.80	7.0	0.27		B4	A	1927
				150	15.0			15.0	2.7	2.00	5.0	0.50				1933
U.D.4	Output triode	4.0*	0.10	150	11.0	—	—	19.0	3.3	1.45	7.5	0.20		B4	A	1927
W213	General-purpose triode	2.0*	0.10	150	1.0	—	—	2.5	22.0	1.30				B4	A	1935
W412	RCC triode	4.0*	0.075	200	2.5	—	—	3.0	21.0	1.20				B4	A	1931
W415N	General-purpose triode	4.0	0.90	200	2.5	—	—	3.0	23.0	1.50				B5	A	1931
W420	RCC triode (d.c.)	4.0*	0.10	200	4.0	—	—	4.5	20.0	2.00				B4	A	1931
W.D.2	RCC triode	2.0*	0.07	150	1.0	—	—	1.0	67.0	0.65				B4	A	1927
			0.08	200	1.0			2.5	37.5	1.00						1933
W.D.4	RCC triode	4.0*	0.07	200	2.0	—	—	2.0	40.0	1.00				B4	A	1927
WG4	RCC triode (d.c.)	4.0*	0.10	200	2.0	—	—	2.5	32.0	1.20				B4	A	1927
W.N.4	RCC triode	4.0	0.90	200	2.0	—	—	2.0	34.0	1.50				B5	A	1929
X.D.4	Output triode	4.0*	0.15	180	17.0	—	—	18.0	2.4	2.50	6.0	0.35		B4	A	1929
Y.D.02	Output triode	2.0*	0.22	150	12.0	—	—	7.5	4.5	2.00	10.0	0.35		B4	A	1936
Y.D.2	Output triode	2.0*	0.22	200	10.5	—	—	15.0	3.4	2.50	12.5	0.30		B4	A	1930
				200	15.0			11.0	4.5	2.00	10.0	0.35				1932
Y.D.4	Output triode	4.0*	0.14	200	10.5	—	—	13.5	4.75	2.00	13.5	0.27		B4	A	1927
Y.G.5	Output triode (d.c.)	5.0*	0.07	180	7.5	—	—	12.0	5.8	1.20	12.5	0.18		B4	A	1927

Type	Description	Filament		Anode		Auxiliary grid		Grid	r_a	g_m / g_c	R_L	P_o	R_K	Base		Year
		Volts	Amps	Volts	mA	Volts	mA	-V	k Ω	mA/V	k Ω	Watts	Ω	Type	Ref.	
TRIOTRON cont																
Y.G.6	Output triode (d.c.)	6.0*	0.10	200	10.0	—	—	13.0	4.5	2.00	13.0	0.27		B4	A	1927
Y.N.4	AF triode	4.0	0.90	180	15.0	—	—	9.0	4.8	2.50	11.0	0.30		B5	A	1929
Z.D.2	Output triode	2.0*	0.14	150	10.0	—	—	15.0	6.2	1.00	14.5	0.14		B4	A	1927
			0.15	150	10.0			15.0	5.0	1.00	13.0	0.15				1932
Z.D.4	Output triode	4.0*	0.15	120	18.0	—	—	10.0	2.5	1.80				B4	A	1927

Type	Description	Filament		Anode		Auxiliary grid		Grid	r _a	g _m / g _c	R _L	P _o	R _K	Base		Year
		Volts	Amps	Volts	mA	Volts	mA	−V	kΩ	mA/V	kΩ	Watts	Ω	Type	Ref.	
TUNGSRAM																
6TH8G	Triode heptode FC	6.3	0.60	h300 t150	5.5 4.0	80	6.0	1.5	2M 7.0	1.0^ 1.20				IO	C	1937
AF2	VM RF pentode	4.0	1.10	200	4.25	100	1.8	2.0	1.4M	2.50			330	B5	B	
AG495	AF or output triode	4.0	1.00	200	6.0	—	—	6.0	6.25	4.00	15.0	0.2	1000	B5	A	1931
AG4100	Detector or a.f. triode	4.0	1.00	150	5.0	—	—	3.0	8.3	2.00				B5	A	1930
AL495	Output triode	4.0	1.00	250	20.0	—	—	12.0	2.5	4.00			600	B5	A	1931
AP495	Output triode	4.0	1.00	250	20.0	—	—	18.0	2.5	4.00	5.0	0.9	900	B5	A	1931
APP4A	Output pentode	4.0	1.20	250	35.0	250	6.0	16.5		2.59	7.0	30	400	B5+st B7	Q Z	1937 1936
APP4B APP4Bs	Output pentode	4.0	1.95	250	36.0	250	4.0	5.0		10.00	7.0	3.6	140	B7 Ct8	Z M	1936 1939
APP4C	Output pentode	4.0	1.95	250	36.0	250	4.0	6.0		10.00	7.0	3.6	140	B7	AA	1936
APP4D	Output pentode	4.0	2.00	250	72.0	250	8.0	16.5		7.00	3.5	7.5	200	B7	AA	1936
APP4E	Output pentode (Class AB1 Push-pull)	4.0	2.10	250 375	72.0 62.0	250 275	8.0 9.0	13.5	23.0	8.50	3.5 6.5	8.8 28.5	175 165	B7	AA	1937 1939
APP4E*	Output pentode (Reduced screen current version)	4.0	2.10	250	42.0	175	3.9	9.0			4.4	5.0	200	B7	AA	1938
APP4G (SW)	Output pentode	4.0	2.00	250	36.0	250	4.0	6.0	50.0	10.0	7.0	3.5	150	B7	E	1936
APP4G*	Output pentode	4.0	2.00	250	36.0	250	4.0	6.0			7.0	3.6		B7	Q	1939
APP4100	Output pentode	4.0	1.00	300	30.0	250	7.0	40.0			7.5	3.0	1000	B5	Q	1932
APP4120	Output pentode	4.0	1.20	250	32.0	250	8.0	18.0			7.5	3.4	500	B5	Q	1933
APP4130	Output pentode	4.0	1.35	250	36.0	250	7.0	22.0			7.5	2.5	600	B5	Q	1934
AR495	High-μ triode	4.0	1.00	200	4.5	—	—	1.5	17.0	5.00				B5	A	1931
AR4100	General-purpose triode	4.0	1.00	200	3.0	—	—	3.0	17.0	2.00				B5	A	1930
AR4101	Medium-μ triode	4.0	1.00	200	2.5	—	—	2.0	13.0	3.00				B5	A	1931
AR4120	High-μ triode	4.0	1.00	200	0.2	—	—	1.6	45.0	2.20				B5	A	1931
AS494	RF tetrode	4.0	1.00	200	1.5	100			667.0	1.50				B5	B	1931
AS495	RF tetrode	4.0	1.00	200	1.0	100	0.6	2.0	480.0	3.40				B5	B	1931
AS4100	RF tetrode	4.0	1.00	200	4.0	100	1.2	6.0	180.0	1.42				B5	B	1930
AS4104	VM RF tetrode	4.0	1.00	200	6.0	100	0.8	2.0	300.0	1.00				B5	B	1932
AS4105	VM RF tetrode	4.0	1.00	200	4.0	100	0.9	2/30	210.0	1.20				B5	B	1932
AS4120	RF tetrode	4.0	1.00	200	3.0	100	0.8	2.0	330.0	3.00			500	B5	B	1933
AS4125	VM RF tetrode	4.0	1.20	200	3.0	100	0.8	1.5/40	250.0	3.00			150	B5	B	1933
CB215 CB215s	Class B double triode	2.0*	0.22	135	2/12	—	—	0		2.00	10.0	1.7		B7 Ct8	K AD	1936 1938

Type	Description	Filament		Anode		Auxiliary grid		Grid	r _a	g _m / g _c	R _L	P _o	R _k	Base		Year
		Volts	Amps	Volts	mA	Volts	mA	−V	kΩ	mA/V	kΩ	Watts	Ω	Type	Ref.	
TUNGSRAM cont																
CB220	Class B double triode	2.0*	0.25	150	1.5/13	—	—	3.35		2.50	10.0	2.0		B7	K	1933
CBL1 CBL31	Double diode output pentode	44.0	0.20	200	45.0	200	6.0	8.5	35.0	8.00	4.5	4.0	167	Ct8 IO	N Q	1940
CCH35	= ECH35	7.0	0.20											IO	C	
CL4	Output pentode	33.0	0.20	200	45.0	200	6.0	8.5	35.0	8.00	4.5	4.0	167	Ct8	D	
CL6	Output pentode	35.0	0.20	200	45.0	100	5.5	9.5	19.0	8.00	4.5	4.0	190	Ct8	D	1938
CL33	Output pentode	33.0	0.20	200	45.0	200	6.0	8.5	35.0	8.00	4.5	4.0	167	IO	AM	1940s
D418	Single diode, low cap.	4.0	0.18	100	1.5	—	—							B4	K	1934
DAC1	Single diode triode	1.4*	0.05	90	0.14	—	—	0	240.0	0.275				Ct8	AH	1940
DD4 DD4s	Double diode	4.0	0.65	50	0.8	—	—							B5 Ct5	C A	1935 1939
DD4D	Double diode	4.0	0.40	100	4.0	—	—							B7	W	1938
DD6	Double diode	6.3	0.20	150	0.60	—	—							B5	C	1936
DD6ds	Double diode	6.3	0.20	200	0.8	—	—							Ct8	K	1937
DD13 DD13s	Double diode	13.0	0.20	200	0.8	—	—							B5 Ct5	C A	1935 1937
DD465	Double diode	4.0	0.65	100	1.5	—	—							B5	D	1934
DD818	Double diode	8.0	0.18	100	1.5	—	—							B5	D	1934
DDPP4B DDPP4M DDPP6Ps	Double diode output pentode	4.0	2.00	250	36.0	250	4.0	6.0		10.00	7.0	3.6	150	B7 B7 Ct8	I X N	1937 1938
DDPP6B DDPP6Bs	Double diode output pentode	6.3	1.40	250	36.0	250	4.0	6.0		10.00	7.0	3.5	150	B7 Ct8	I N	1937
DDPP39 DDPP39M DDPP39s	Double diode output pentode	39.0	0.20	200	45.0	200	6.0	8.0		8.5	4.0	3.2	170	B7 B7 Ct8	I X N	1937 1938
DDT2, DDT2A	Double diode triode	2.0*	0.10	135	1.0	—	—	1.5	21.0	1.40				B5	E	1935
DDT2B DDT2Bs	Double diode triode	2.0*	0.10	135	2.5	—	—	4.5	16.0	1.00				B5 Ct8	E AD	1937 1938
DDT4 DDT4s	Double diode triode	4.0	0.65	250	4.0	—	—	5.0	11.0	3.60			1000	B7 Ct8	G G	1936 1939
DDT6s	Double diode triode	6.3	0.20	250	5.0	—	—	5.5	15.0	2.50				Ct8	G	1936
DDT13 DDT13s	Double diode triode	13.0	0.20	200	4.0	—	—	5.0	11.0	3.60			1000	B7 Ct8	G G	1936 1937
DG210 DG210/0	Bi-grid FC	2.0*	0.12	100	1.0				5.0	1.00				B4+st B5	AB L	1932 1933
DG407	Bi-grid FC	4.0*	0.08	20	1.0	20		3.0	5.0	1.00				B4+st	AB	1932

Type	Description	Filament		Anode		Auxiliary grid		Grid	r _a	g _m / g _c	R _L	P _o	R _K	Base		Year
		Volts	Amps	Volts	mA	Volts	mA	-V	kΩ	mA/V	kΩ	Watts	Ω	Type	Ref.	
TUNGSRAM cont																
DG407/0	Bi-grid FC	4.0*	0.08	100	4.0									B4+st B5	AB L	1932
DG2018	Bi-grid FC	20.0	0.18	100				0	5.0	1.00				B5+st	T	1933
DG4100 DG4101	Bi-grid FC	4.0	1.00	100	3.00				5.0	1.00				B5	G	1932
DS4100	Single diode RF tetrode	4.0	1.00	200	4.0	90	1.0	3.5	2.5M	0.70				C7	H	1933
EAB1	Triple diode	6.3	0.20	200	0.8	—								Ct8	S	1938
EB4	Double diode	6.3	0.20	100	0.8	—	—							Ct8	K	1938
EB11	Double diode	6.3	0.20	200	0.8	—	—							Y8A	A	1940s
EB34	Double diode	6.3	0.20	140	0.8	—	—							IO	BE	1940s
EBC3 EBC33	Double diode triode	6.3	0.20	250	5.0	—	—	5.5	15.0	2.00			1100	Ct8 IO	G AE	1938 1940s
EBC11	Double diode triode	6.3	0.20	250	5.0	—	—	8.0	11.5	2.20			1600	Y8 A	B	1940s
EBF2	Double diode and VM RF pentode	6.3	0.20	250	5.0	250	2.0	2.0	1.5M	1.80			290	Ct8	N	1938
EBF11	Double diode and VM RF pentode	6.3	0.20	250	5.0	100	1.8	2.0	1.5M	1.80	7.0	3.6	200	Y8A	C	1940
EBL1 EBL31	Double diode output pentode	6.3	1.40	250	36.0	250	5.0	6.0	50.0	9.50	7.0	4.4	150	Ct8 IO	N Q	1938 1940s
ECH2	Triode heptode FC	6.3	0.95	h250 t100	3.25 5.0	100	6.0	2.5	1.5M 3.5	0.75^ 6.0				Ct8	A	1938
ECH3 ECH33	Triode hexode FC	6.3	0.20	h250 t150	2.3 3.3	100	3.0	2.0	1M	0.65^				Ct8 IO	A C	1940 1940s
ECH11	Triode hexode FC	6.3	0.20	h250 t250	2.3 3.3	100	3.0	2/21	1.5M	0.56^			230	Y8A	D	1939
ECH35	Triode hexode FC	6.3	0.30	h250 t150	2.3	100	3.0	2.0	1.25M	0.65^				IO	C	1940s
ECL11	Triode & output tetrode	6.3	1.10	t200 p250	2.0 36.0	250	4.0	2.5 6.0	35.0 55.0	2.00 9.00	7.0	3.75		Y8A	E	1940s
EF5	VM RF pentode	6.3	0.20	250	8.0	100	2.6	3.0	1.2M	1.70			285	Ct8	Q	1938
EF6	RF or AF pentode	6.3	0.20	250	3.0	100	1.1	2.0	1.75M	2.00			525	Ct8	Q	1938
EF8	Hexode RF amplifier	6.3	0.20	250	8.0	250	0.25	2.5	360.0	1.80			305	Ct8	L	1938
EF9	VM pentode RF or AF amplifier	6.3	0.20	250	6.0	250	1.7	2.5	1.25M	2.20			325	Ct8	Q	1938
EF11	VM RF pentode	6.3	0.20	250	6.0	100	2.0	2.0	2M	2.20			250	Y8A	G	1939
EF12	RF pentode	6.3	0.20	250	6.0	100	1.0	2.0	1.5M	2.10			500	Y8A	G	1939
EF13	VM RF pentode	6.3	0.20	250	4.5	100	0.6	2.0	500.0	2.30			400	Y8A	H	1940s

Type	Description	Filament		Anode		Auxiliary grid		Grid	r_a	g_m / g_c	R_L	P_o	R_K	Base		Year
		Volts	Amps	Volts	mA	Volts	mA	-V	k Ω	mA/V	k Ω	Watts	Ω	Type	Ref.	
TUNGSRAM cont																
EF14	RF pentode	6.3	0.47	200	12.0	250	7.0	4.5	150.0				300	Y8A	I	1940s
EF39	VM RF pentode	6.3	0.20	250	6.0	250	1.7	2.5	1.5M	2.20				IO	H	1940s
EFM1	VM RF pentode and tuning indicator	6.3	0.20	250	1.3	100	0.55	2.0					800	Ct8	T	1938
EFM11	VM RF pentode and tuning indicator	6.3	0.20	250	1.0	250	0.63	1.5						Y8A	J	1940s
EH2	Heptode – (RF amplifier) – (frequency changer)	6.3	0.20	250 250	4.2 1.85	100 100	2.8 3.8	3.0 3.0	1.1M 2M	1.40 0.40^			430 500	Ct8	R	1938
EK2	Octode FC	6.3	0.20	mix250 osc200	1.1 2.5	60	1.0	2/25	2M	0.55^				Ct8	B	1938
EK3	Beam octode FC	6.3	0.65	mix250 osc100	2.5 6.0	100	5.5	2.5/38	2M	0.65^ 4.5				Ct8	B	1938
EL2	Output pentode	6.3	0.20	250	32.0	250	5.0	18.0		2.80	8.0	3.6	480	Ct8	AI	1938
EL3 EL33	Output pentode	6.3	1.20	250	36.0	275	4.5	7.0		9.50	7.0	4.5	175	Ct8 IO	M AM	1938 1940s
EL5	Output pentode	6.3	1.35	250	72.0	275	7.0	14.0		8.50	3.5	8.8	175	Ct8	M	1938
EL6 EL36	Output pentode	6.3	1.40	250	72.0	250	8.5	7.0	20.0	15.00	3.5	8.2	85	Ct8 IO	M AM	1938 1940s
EL11	Output pentode	6.3	0.90	250	36.0	250	4.0	6.0	50.0	9.00	7.0	4.5	150	Y8A	K	1940s
EL12	Output pentode	6.3	1.20	250	72.0	250	8.0	7.0	20.0	14.50	3.5	8.0	90	Y8A	K	1940s
ELL1	Double output pentode	6.3	0.45	250	15/16.5	250	2.5	21.5	11.0	1.80	16.0	5.4	600	Ct8	U	1938
G115	General-purpose triode	1.0*	0.50	150	3.5	—	—	8.5	20.0	0.50				B4	A	
G150	General-purpose triode	1.0*	0.50	150	4.0	—	—	1.5	20.0	0.50				B4	A	1930
G405	RF neutralized triode	4.0*	0.065	150	3.5	—	—	3.0	20.0	0.50				B4	A	1930
G407	Detector triode	4.0*	0.07	150	5.0	—	—	8.0	5.0	1.80				B4	A	1930
G409	Detector or AF triode	4.0*	0.09	150	3.5	—	—	6.0	7.0	2.40				B4	A	1930
G410	Low-impedance triode	4.0*	0.075	150	4.0	—	—	4.5	7.0	2.00				B4	A	1930
G607	AF triode	6.0*	0.07			—	—							B4	A	1930
G2018	AF triode	20.0	0.18	200	10.0	—	—	5.0	7.0	3.50				B5	A	1932
H210	RF or detector triode	2.0*	0.10	200	2.0	—	—	3.0	25.0	1.00				B4	A	1930
H407	General-purpose triode	4.0*	0.07	200	1.5	—	—	3.0	25.0	1.40				B4	A	1930
HL2 HL2s	Detector or oscillator triode	2.0*	0.13	135	2.2	—	—	1.5	21.0	1.50				B4 Ct8	A AU	1938
HL4	General-purpose triode	4.0	1.00	200	4.0	—	—	3.0	11.5	3.50				B5	A	1935
HL4+	Low-microphony triode	4.0	0.65	250	5.0	—	—	4.5	11.0	3.50			1000	B5	A	1936
HL4g HL4gs	Low-capacity triode	4.0	0.65	250	5.0	—	—	4.5	11.0	3.50			1000	B7 Ct8	F Q	1936 1939

Type	Description	Filament		Anode		Auxiliary grid		Grid	r_a	g_m / g_c	R_L	P_o	R_K	Base		Year
		Volts	Amps	Volts	mA	Volts	mA	-V	k Ω	mA/V	k Ω	Watts	Ω	Type	Ref.	
TUNGSRAM cont																
HL13 HL13s	General-purpose triode	13.0	0.20	250	6.0	—	—	4.0	12.0	3.50			1000	B7 C18	F Q	1935 1937
HL406	General-purpose triode	4.0*	0.075	100	2.0	—	—	0	13.0	1.05				B4	A	
HP13 HP13s	VM RF pentode (Short grid base)	13.0	0.20	200	8.0	100	2.9	1/10	1.1M	3.50			300	B7 C18	F Q	1935 1937
HP210 HP210c	Low-microphony RF pentode	2.0*	0.12	150	1.9	150	0.7	1.5	2.5M	1.90				B4 B7	B D	1934 1934
HP210n, HP210nc	See HP210															1937
HP211	VM RF pentode	2.0*	0.12	150	2.6	150	0.6	0.9/7	2M	1.70				B4+tt B7	B D	1934 1934
HP211c	See HP211															1937
HP1018	RF pentode	10.0	0.18	250	2.3	150	0.60		1.5M	1.25				C7	C	1934
HP1118	VM RF pentode	10.0	0.18	250	10.5	150	3.0	3/52	1M	1.65				C7	C	1934
HP2018	RF pentode	20.0	0.18	200	3.0	100	1.2		2M	3.50				B5 B7	B D	1933 1933
HP2118	VM RF pentode	20.0	0.18	200	5.0	100	1.1	2/35	1M	3.50				B5 B7	B E	1933 1933
HP4100	RF pentode	4.0	1.00	200	3.5	100	0.6	2.0	2M	3.50				B5 B7	B E	1933 1933
HP4101	RF pentode	4.0	1.00	200	3.5	100	0.6	2.0	2M	3.50			600	B5 B7	B E	1935 1935
HP4101c	RF pentode	4.0	1.00	200	3.5	100	0.6	2.0	2M	2.80				B5 B7	B E	1938
HP4105	VM RF pentode	4.0	1.00	200	5.0	100	1.1	2/30	1M	3.50				B5 B7	B E	1933 1933
HP4106	VM RF pentode	4.0	1.00	200	5.0	100	1.25	2/35	1.2M	3.50			150	B5 B7	B E	1935 1935
HP4106c	= HP4106															1939
HP4115	VM RF pentode (Short grid base)	4.0	1.10	200	4.3	100	1.5	1.5/12	1.4M	3.20			300	B5 B7	B E	1935 1935
HP4115c	VM RF pentode	4.0	1.00	250	4.5	100	1.5	2.0	1.4M	3.20				B5 B7	B E	1939 1939
HR2 HR2s	General-purpose triode	2.0*	0.065	135	0.6	—	—	1.5	40.0	0.60				B4 C18	A T	1936 1938
HR210	General-purpose triode	2.0*	0.10	200	1.0	—	—	1.5	23.0	1.30				B4	A	1933
HR406	Medium-mu triode	4.0*	0.065	150	2.5	—	—	1.0	22.5	1.2				B4	A	1931
HR410	Medium-mu triode	4.0*	0.10	200	2.5	—	—	3.0	9.0	1.80				B4	A	1931

Type	Description	Filament		Anode		Auxiliary grid		Grid	r _a	g _m /g _c	R _L	P _o	R _K	Base		Year
		Volts	Amps	Volts	mA	Volts	mA	−V	kΩ	mA/V	kΩ	Watts	Ω	Type	Ref.	
TUNGSRAM cont																
HR607	RF neutralized triode	6.0*	0.07	200	1.25	—	—	3.0	15.0	2.00				B4	A	1930
KC4	General-purpose triode	2.0*	0.10	135	2.2	—	—	1.5	21.5	1.40				Ct8	AU	
KHI	VM hexode:− FC − RF amplifier	2.0*	0.13	135 135	1.0 2.0	60 60	1.1 0.95	1.5 1.5	1.1M 1.3M	0.45^ 1.40				Ct8	AV	
L190	Output triode (a.c.)	1.0*	0.90	150	7.0	—	—	9.0	4.2	2.40		0.20		B4	A	1930
L210	AF triode	2.0*	0.10	200	3.0	—	—	6.0	16.0	1.00				B4	A	1931
L414	Output triode	4.0*	0.14	200	20.0	—	—	25.0	1.7	1.30	4.5	0.4		B4	A	1930
LD210	Detector or AF triode	2.0*	0.10	150	3.0	—	—	3.0	14.0	1.30				B4	A	1935
LD409	AF triode	4.0*	0.085	200	4.0	—	—	6.0	8.5	2.00				B4	A	1931
LD410	AF triode	4.0*	0.10	200	4.0	—	—	6.0	7.5	2.00				B4	A	1931
LG210	Detector or AF triode	2.0*	0.10	150	6.0	—	—	8.0	10.0	1.00				B4	A	1930
LG607	Detector or AF triode	4.0*	0.07	200	3.5	—	—	7.5	9.0	1.89				B4	A	1930
LL2 LL2s	AF or driver triode	2.0*	0.20	135	3.0	—	—	2.5	11.5	2.60				B4 Ct8	A AU	1936 1939
LL4	Driver triode Output triode	4.0	1.20	400 250	18.0 18.0	—	—	10.0	2.0	3.50	11.0	1.0	900	B5	A	1937
LL4C	Line t/b triode	4.0	1.20	1000	3.0	—	—			3.50				B5	A	1939
LP220	Driver triode for CB220	2.0*	0.20	150	5.0	—	—	4.5	3.0	3.50	7.5	0.2		B4	A	1935
MH206	Heptode FC	2.0*	0.06	mix135 osc135	1.2 2.3	67.5	2.5	3.0	400.0	0.28^				B7	A	1934
MH1118	Heptode FC	10.0	0.18	mix200 osc130	3.5 3.0	100	2.3	3/40	700.0 22.0	0.47^ 1.40				C7	A	1934
MH4105	Heptode FC	4.0	1.00	200	5.00	100	1.2	3.0	600.0	0.5^				C7	A	1934
MH4105/71	Heptode FC	4.0	1.00	mixt250 osc150	3.5 4.0	100	2.3	3/45	360.0 22.0	0.52^ 1.4				B7	B	1934
MH4105/73	= MH4105/71													C7	B	
MO465	Octode FC	4.0	0.65	mix250 osc70	1.6 2.0	70	3.8	1.5	1M	0.6^				B7	B	1934
O-15/400	Output triode	4.0*	1.00	400	40.0	—	—	37.0	1.6	5.0	6.0	3.5	900	B4	A	1935
O-40/1000	Output triode	10.0*	1.10	1000	50.0	—	—	67.0	2.8	3.00	7.0	8.5	1800	BC4	A	1935
O-75/1000	Output triode	10.0*	3.00	1250	60.0	—	—	80.0	2.8	5.00	9.2	19.7	1300	BC4	A	1935
O-250/2000	Output triode	11.0*	2.50	2000	130.0			60.0	2.8	9.00	8.0	48.0			A	
P12/250	Output triode	4.0*	1.00	250	48.0	—	—	33.0	850Ω	6.00	2.4	2.8	700	B4	A	1936
P15/250	Output triode	4.0*	1.00	250	60.0	—	—	45.0	650Ω	6.00	2.3	3.5	750	B4	A	1936
P24/450	Output triode	7.5*	1.25	600	55.0	—	—	84.0	1.9	2.10	4.3	4.6	1500	B4	A	1937

Type	Description	Filament		Anode		Auxiliary grid		Grid	r_a	g_m / g_c	R_L	P_o	R_K	Base		Year
		Volts	Amps	Volts	mA	Volts	mA	-V	k Ω	mA/V	k Ω	Watts	Ω	Type	Ref.	
TUNGSRAM																
P25/400	Output triode	6.0*	1.10	400	70.0	—	—	112.0	0.8	3.75	4.0	7.0	1500	B4	A	1935
P25/450	Output triode	7.5*	1.25	600	55.0	—	—	84.0	1.9	2.10	4.3	4.6		B4	A	1937
P25/500	Output triode	6.0*	1.10	500	65.0	—	—	104.0	1.0	3.00	4.5	5.0	1000	B4	A	1937
P26/500	Output triode	4.0*	2.00	500	62.5	—	—	102.0	530 Ω	7.00	5.0	6.3	1000	B4	A	1936
P27/500	Output triode	4.0*	2.00	500	62.5	—	—	31.0	1050 Ω	8.50	5.0	5.0	500	B4	A	1937
P28/500	Output triode (Class AB push-pull)	7.5*	1.25	500	48.0	—	—	50.0	3.7	2.20	8.0	50.0		B4	A	1937
P30/500	Output triode (Class AB push-pull)	4.0*	2.00	500 500	60.0 60.0	—	—	150.0 140.0	750 Ω	4.00	2.5 3.6	6.0 40.0	2500	B4	A	1937
P60/500	Output triode (Push-pull)	6.0*	4.00	600 900	130.0 90.0	—	—	110.0 280.0	1.0	3.50	2.6 12.0	15.0 70.0	1000	L4	A	1935
P100/1000	Output triode	6.0*	2.70	1000	100.0	—	—	146.0	1.4	4.00	6.7	30.0	1000	L4	A	1936
P190	Output triode (a.c.)	1.0*	0.90	150	12.0	—	—	13.5	2.50	2.40		0.35		B4	A	1930
P215	Output triode	2.0*	0.15	150	12.0	—	—	18.0	3.3	1.50	7.0	0.28		B4	A	1930
P220	Output triode	2.0*	0.20	150	10.0	—	—	12.5	2.2	3.00	6.7	0.26		B4	A	1931
P410	Output triode	4.0*	0.12	150	8.0	—	—	12.0	3.3	1.50				B4	A	1931
P414	Output triode	4.0*	0.14	100	14.0	—	—	16.0	1.7	2.80	4.5	0.20		B4	A	1930
P415	Output triode	4.0*	0.15	200	12.0	—	—	8.0	3.3	3.00	7.0	0.30		B4	A	1931
P430	Output triode	4.0*	0.30	250	25.0	—	—	30.0	2.2	2.50	5.8	0.80		B4	A	1930
P460	Output triode	4.0*	0.60	220	50.0	—	—	33.0	1.1	3.50	4.0	1.20		B4	A	1930
P610	Output triode	6.0*	0.10	200	12.0	—	—	18.0	3.3	2.00	7.0	0.28		B4	A	1931
P615	Output triode	6.0*	0.15	200	10.0	—	—	12.0	3.3	3.00	7.5	0.40		B4	A	1930
P2018	Output triode	20.0	0.18	200	25.0	—	—	18.0	2.8	2.50	6.0	0.90	750	B5	A	1932
P4100	Output triode	4.0*	1.00	400	35.0	—	—	35.0	1.4	5.00	6.0	3.50		B4	A	1931
PD220	Low μ triode	2.0*	0.20	150	4.0	—	—	6.0	10.0	1.70				B4	A	1931
PP2	Output pentode	2.0*	0.14	135	7.0	135	1.0	5.0	150.0	2.10	19.0	0.44		B4 B5 C18	G F AA	1936 1938
PP2s																
PP4 PP4s	Output pentode	4.0*	1.10	250	36.0	250	6.0	15.0	42.0	3.50	7.5	2.8	400	B5 C18	G AA	1936 1939
PP6As	Output pentode	6.3	0.20	250	32.0	250	5.0	18.0		2.85	8.0	2.3		C18	AI	1937
PP6Bs PP6C	Output pentode	6.3	1.20	250	36.0	250	4.0	6.0		10.00	7.0	3.6		C18 B7	M Z	1937 1937

Type	Description	Filament		Anode		Auxiliary grid		Grid	r_a	g_m / g_c	R_L	P_o	R_k	Base		Year
		Volts	Amps	Volts	mA	Volts	mA	-V	k Ω	mA/V	k Ω	Watts	Ω	Type	Ref.	
TUNGSRAM cont																
PP6E	Output pentode	6.3	1.20	375	72.0	275	8.0	17.0		8.50	3.5	9.0		B7	Z	1937
PP13A	Output pentode	13.0	0.30	250	34.0	250	6.5	16.5		2.65	7.0	3.0		B7	Z	1939
PP13s	Output pentode	13.0	0.20	200	25.0	200	2.5	14.0		3.50	8.0	1.8		Ct8	D	1939
PP24	Output pentode	24.0	0.20	200	40.0	100	8.0	11.0		8.00	5.0	3.0	235	B7	Q	1937
PP24s														Ct8	D	1937
PP34	Output pentode	35.0	0.20	200	45.0	200	5.0	6.5		8.50	4.4	3.2		B7	Q	1938
PP34s														Ct8	D	1938
PP35	Output pentode	35.0	0.20	200	45.0	200	5.0	6.5		8.50	4.4	3.2	170	B7	Z	1935
PP36	Output pentode	35.0	0.20	200	45.0	200	5.0	6.5		8.50	4.4	3.2	170	B7	AA	1936
PP37	Output pentode	37.0	0.20	200	45.0	100	5.0	9.5			4.5	3.5		B7	Q	1938
PP60	Output beam tetrode	6.3	1.27	250	85.0	250	6.3	15.0		6.30	2.2	7.25	9.0	IO	AM	1939
PP215	Output pentode	2.0*	0.15	90	8.0	90	1.2	4.5		1.70	14.0	0.25		B5	F	1938
PP215s														Ct8	AA	1938
PP220	Output pentode	2.0*	0.20	200	6.0	150	2.0	6.0			13.0	0.30		B4+st	G	1933
														B5	F	1933
PP222	Output pentode	2.0*	0.22	150	9.0	150	2.0	4.5		2.50	14.0	0.6		B4+st	G	1935
														B5	F	1935
PP225	Output pentode	2.0*	0.265	135	18.0	135	3.6	12.0	30.0	2.00	6.0	0.8		B5	F	1936
PP225s														Ct8	AA	1938
PP230	Output pentode	2.0*	0.30	200	12.0	150	2.0	12	37.5	1.60				B4+st	G	1931
														B5	F	1933
PP280	Output pentode	2.0*	0.30	200	12.0	150	4.0	16.0			11.0	0.6		B5	F	1934
PP415	Output pentode	4.0*	0.15	200	12.0	200	4.0	12.0	33.0	1.80				B4+st	G	1931
PP416	Output pentode	4.0*	0.15	200	10.0	80	2.0	12.0	60.0	2.00				B4+st	G	1931
PP430	Output pentode	4.0*	0.30	200	20.0	200	5.0	25.0	35.0	2.00			700	B4+st	G	1931
PP431	Output pentode	4.0*	0.25	300	20.0	200	4.5	25.0	35.0	1.70	15.0	2.8		B4+st	G	1931
														B5	F	1933
PP610	Output pentode	6.0*	0.10	200	12.0	150	1.5	12.0	40.0	1.6				B4+st	G	1931
PP2018	Output pentode	20.0	0.18	220	25.0	200	5.0	22.0		2.80	8.8	1.1	750	B5+st	Q	1932
														B7	Z	
PP2018D	See PP2018															1933
PP4018	Output pentode	40.0	0.18	180	45.0	180	9.0	22.0			3.0	3.4	400	C7	I	1933
PP4100	Output pentode	4.0*	1.00	400	40.0	300	7.0	40.0	20.0	3.00	7.5	3.5	1000	B5	F	1931
PP4101	Output pentode	4.0*	1.10	250	36.0	250	7.0	22.0	43.0	3.50	7.5	2.5	600	B5	F	1934
PP4118	Output pentode	40.0	0.18	180	35.0	180	7.0	10.0		6.50	5.0	3.0	240	C7	I	1934
R150	General-purpose triode	1.0*	0.50	200	2.0			3.0	18.0	1.40				B4	A	1930
R208	General-purpose triode	2.0*	0.10	200	1.75			1.5	50.0	0.70				B4	A	1930

Type	Description	Filament		Anode		Auxiliary grid		Grid	r_a	g_m / g_c	R_L	P_o	R_K	Base		Year
		Volts	Amps	Volts	mA	Volts	mA	-V	k Ω	mA/V	k Ω	Watts	Ω	Type	Ref.	
TUNGSRAM cont																
R406	RF or RCC triode	4.0*	0.07	150	2.0	—	—	3.0	18.0	1.40				B4	A	1930
R2018	General-purpose triode	20.0	0.18	200	2.5	—	—	2.0	13.3	2.50				B5	A	1932
S210	RF tetrode	2.0*	0.12	200	1.5	100	0.4		333.0	1.20				B4	B	1930
S220	RF tetrode	2.0*	0.20	200	2.5	100	0.6		350.0	2.00				B4	B	1933
S406	RF tetrode	4.0*	0.065	150	4.0	80	1.0	2.0	400.0	0.80				B4	B	1931
S407	RF tetrode	4.0*	0.07	200	1.5	100			330.0	1.00				B4	B	1930
S410	RF tetrode	4.0*	0.10	200	1.5	100			330.0	1.00				B4	B	1931
S2010N	RF tetrode	20.0	0.18	200	4.0	60	1.9	2.0	400.0	1.0				B5	B	1932
S2018	RF tetrode	20.0	0.18	200	2.0	100	1.2	3.0	333.0	1.20				B5	B	1932
SE220	VM RF tetrode	2.0*	0.20	200	3.0	100	0.5	0/15	333.0	1.20				B4	B	1933
SE211 SE211c	VM RF tetrode	2.0*	0.12	150	1.0	75	0	0.9	1.5M	1.50				B4	B	1936 1937
SE2018	VM RF tetrode	20.0	0.18	200	4.0	60	1.2	2/40	300.0	1.20				B5	B	1932
SE2118	VM RF tetrode	20.0	0.18	200	3.0	100			3.5	3.00				B5	B	1933
SP2B SP2Bs	RF pentode	2.0*	0.06	135	2.6	135	1.0	0.5	1M	0.80				B7 Ct8	N AA	1936 1938
SP2D	RF pentode	2.0*	0.10	150	1.45	150	0.35	0.1	2M	1.70				B4 B7	B	1938 1939
SP4 SP4s	RF pentode	4.0	0.65	250	3.0	100	1.5	2.0	1.5M	3.50				B7 Ct8	F Q	1937 1938
SP4A	RF pentode	4.0	0.65	250	3.0	100	1.2	2.0		2.40				B7	F	1939
SP4B	RF pentode	4.0	0.65	250	2.9	250	0.8	2.0	2M	4.00			500	B7	F	1936
SP6s	RF pentode	6.3	0.20	250	8.0	100	2.5	3/50	1.2M	1.70				Ct8	Q	1936
SP13 SP13s	RF pentode	13.0	0.20	200	3.0	100	1.2	2.0	1.5M	2.40			600	B7 Ct8	F Q	1935 1937
SP13B	RF pentode	13.0	0.20	200	2.0	200	1.0	1.5	1.5M	3.50				B7	F	1936
SP220	Output triode	2.0*	0.20	150	14.0	—	—	12.0	2.3	3.00	6.7	0.36		B4	A	1933
SP230	Output triode	2.0*	0.30	180	18.0	—	—	23.0	2.5	2.00	6.0	0.46		B4	A	1930
SP614	Output triode	6.0*	0.15	200	20.0	—	—	22.0	2.3	2.60	5.0	0.65		B4	A	1930
SS210	RF tetrode	2.0*	0.12	150	0.6	75	0.1	1.0	1M	1.40				B4	B	1937
SS2018	RF tetrode	20.0	0.18	200	3.0	100	1.0	3.0	500.0	3.00				B5	B	1933
SV220	VM RF tetrode	2.0*	0.20	200	3.5	100	0.6	0/15	400.0	1.80				B4	B	1933
TH4A	Triode heptode FC	4.0	1.50	h275 t100	3.25 22.0	100	7.0	2.5/38	1.5M	0.75^ 6.00				B7	C	1938
TH4B	Triode heptode FC	4.0	1.50	h275 t100	3.25 19.0	100	7.0	2.5/38 2.5/38	1.5M	0.75^ 4.50				B7	C	1939

Type	Description	Filament		Anode		Auxiliary grid		Grid	r _a	g _m /g _c	R _L	P _o	R _K	Base		Year
		Volts	Amps	Volts	mA	Volts	mA	−V	kΩ	mA/V	kΩ	Watts	Ω	Type	Ref.	
TUNGSRAM cont																
TH29 TH30	See TH4A See TH4B	29.0	0.20											B7	C	1938
TX4	Triode hexode FC	4.0	1.00	h300 t150	5.5 4.0	80	6.0	1.5	1.5M	1.0^ 1.20				B7	C	1936
TX21	Triode hexode FC	21.0	0.20	h250 t150	5.5 4.0	80	6.0	1.5/25	1M	1.0^ 1.20			150	B7	C	1936
TX29	Triode heptode FC	29.0	0.20	250	3.3	100			1.45M	0.75^				B7	C	1939
VO2 VO2s	Octode mixer	2.0*	0.13	mix135 osc135	0.7 1.3	45	0.6	1.0	2.5M	0.27^				B7 Ct8	A AG	1935 1938
VO4 VO4s	Octode mixer	4.0	0.65	mix250 osc90	1.6 2.0	70	3.8	1.5	1M	0.55^				B7 Ct8	B B	1935 1938
VO6s	Octode FC	6.3	0.20	mix250 osc200	1.1	60	1.0	2.0	2M	0.45^				Ct8	B	1936
VO13 VO13s	Octode mixer	13.0	0.20	mix250 osc90	1.6 2.5	70	3.8	1.5	1M	0.6^			200	B7 Ct8	B B	1935 1937
VP2B VP2Bs	VM RF pentode	2.0*	0.05	135	2.5	135	0.8	0.5	2M	0.65				B7 Ct8	N AA	1936 1938
VP2D	VM RF pentode	2.0*	0.10	120	1.3	75	0.6	1.0	900.0	2.00				B4 B7	B N	1938 1939
VP4 VP4s	VM RF pentode	4.0	0.65	250	8.0	100	2.5	3.0	1.2M	1.80				B7 Ct8	F Q	1938 1939
VP4A	VM RF pentode	4.0	0.65	250	8.0	100	2.5	3.0	1.2M	1.80				B7	E	1938
VP4B	VM RF pentode	4.0	0.65	250	10.0	250	2.5	1.0	1M	4.00				B7	F	1936
VP4C	VM RF pentode	4.0	0.65	250	10.0	250	2.5	1.0	1M	4.00				B7	E	1938
VP6 VP6s	VM RF pentode	6.3	0.20	250	7.5	100	2.5	3.0	1.25M	1.75				B7 Ct8	F Q	1936 1936
VP13 VP13s	VM RF pentode	13.0	0.20	200	8.0	100	2.6	3/55	800.0	2.80			200	B7 Ct8	F Q	1935 1937
VP13B	VM RF pentode	13.0	0.20	200	6.0	200	2.0	1.5/50	800.0	3.50			200	B7	F	1936
VP13K	VM RF pentode	13.0	0.20	200	8.0	100	2.6	3.0	900.0	2.00			200	B7	F	1939
VX2 VX2s	Hexode mixer	2.0*	0.13	150	1.0	60	2.0	1.0	2M	0.47^				B7 Ct8	AD AV	1937 1938
VX4s	VM Hexode mixer	4.0	0.65	250	1.8	80	1.5	2.0	2M	0.55^				Ct8	L	1939
VX6s	VM Hexode mixer	6.3	0.20	250	1.85	150	3.8	3.0	2M	0.35^				Ct8	L	1937
VX13s	Hexode mixer	13.0	0.20	250	1.8	80	1.5	2.0	2M	0.55^				Ct8	L	1939

Notes: Lower case letters at the end of the Type have the following meaning. s = side contact base, n = non-microphonic, c = metal top cap replacing earlier screw terminal, g = low-capacity triode.

Type	Description	Filament		Anode		Auxiliary grid		Grid	r_a	g_m / g_c	R_L	P_o	R_K	Base		Year
		Volts	Amps	Volts	mA	Volts	mA	-V	k Ω	mA/V	k Ω	Watts	Ω	Type	Ref.	
Two Grid	See Aneloy															
UNIVELLA																
HF (2V)	Triode	2.0*				—	—							B4	A	
HF (4V)	Triode	4.0*				—	—							B4	A	
LF (2V)	Triode	2.0*				—	—							B4	A	
LF (4V)	Triode	4.0*				—	—							B4	A	
VALCO																
VD213	General-purpose triode	1.8-2.0*	0.13	20-80		—	—							B4	A	1927
VATEA																
HX406†	RF or detector triode	4.0*	0.06	150	4.0	—	—	4.0	8.35	2.00				B4	A	1930
L406	Output triode	4.0*	0.06			—	—							B4	A	
LX414	Output triode	4.0*	0.14			—	—							B4	A	1930
PX4200	Output triode	4.0*	2.00	550	45.0	—	—	36.0	2.5	4.00	7.0	5.9		B4	A	
RX406†	Triode	4.0*	0.06	150	1.1	—	—	2.9	24.0	1.05				B4	A	1930
UX406†	Detector or a.f. triode	4.0*	0.06	150	3.5	—	—	9.0	5.0	1.80				B4	A	1930
VITA																
T.P.3	General-purpose triode	2.5-3.0*	0.06	40-100		—	—	0-6	17.0					B4	A	1926
VOLTRON																
202 (Red Star)	RF or detector triode	1.8-2.0*	0.20	30-100		—	—		32.0	0.44				B4	A	1926
202 (Green Star)	General-purpose triode	1.8-2.0*	0.20	30-100		—	—		15.0	0.47				B4	A	1926
210HF	Triode	1.8-2.0*	0.10			—	—							B4	A	
L.C.2 (Red Star)	RF or detector triode	1.8-2.0*	0.06			—	—		40.0	0.35				B4	A	1926
L.C.2 (Green Star)	General-purpose triode	1.8-2.0*	0.06	30-80		—	—		14.0	0.36				B4	A	1926
L.S.2 (Power)	AF or output triode	1.5-2.0*	0.35	60-120		—	—		9.0	0.56				B4	A	1926
L.C.4 (Red Star)	RF or detector triode	4.0*	0.06	30-100		—	—		40.0	0.40				B4	A	
L.C.4 (Green Star)	General-purpose triode	3.5-4.0*	0.06	30-100		—	—	0-6	14.0	0.50				B4	A	
P.4 (Power)	Output triode	3.0-4.0*	0.35	60-120		—	—	0-6	14.0	0.36				B4	A	
P.6 (Power)	Output triode	5.0-6.0*	0.25	60-120		—	—	0-6	6.4	0.86				B4	A	

† Data taken from nearest Philips equivalents

Type	Description	Filament		Anode		Auxiliary grid		Grid	r _a	g _m / g _c	R _L	P _o	R _K	Base		Year [†]
		Volts	Amps	Volts	mA	Volts	mA	−V	kΩ	mA/V	kΩ	Watts	Ω	Type	Ref.	
US																
00-A	Triode	5.0*	0.25	90	2.5	—	—	4.5	11.0	0.73				US4b	A	1937
01-A	Triode	5.0*	0.25	90	3.2	—	—	4.5	9.4	0.85				USM4b	A	1937
1A4-P = 1D5 1A4-T	VM RF pentode VM RF tetrode	2.0*	0.06	135	2.2	67.5	0.9	3.0	1M	0.65				USS4	B	1936
1A5-G, 1A5-GT	Output pentode	1.4*	0.05	90	4.0	90	1.1	4.5	300.0	0.85	25.0	115mW		IO	CF	1939
1A6	Heptode FC	2.0*	0.06	mix135 osc135	1.8 2.0	67.5 —	2.1 —	3.0	400.0	0.27^				USS6	A	1936
1A7-G, 1A7-GT	Heptode FC	1.4*	0.05	mix90 osc90	0.55 1.2	90 —	0.6 —	0	600.0	0.25^				IO	CD	1938
1B4-P	RF pentode	2.0*	0.06	180	1.7	67.5	0.6	3.0	1.5M	0.64				USS4	B	1938
1B5/25S	Double diode triode	2.0*	0.06	135	0.80	—	—	3.0	35.0	0.57				USS6	C	1936
1C5-G, 1C5-GT	Output pentode	1.4*	0.10	90	7.5	90	3.5	7.5	115.0	1.55	8.0	0.24		IO	CF	1939
1C6	Heptode FC	2.0*	0.12	mix135 osc135	1.3 3.1	67.5	2.5	3.0	600.0	0.30^				USS6	A	1936
1C7-G	Heptode FC	2.0*	0.12	mix135 osc135	1.3 3.1	67.5	2.5	3.0	600.0	0.30^				IO	CD	1937
1D5-GP	VM RF pentode	2.0*	0.06	180	2.3	67.5	0.8	3/15	1 M	0.75				IO	CE	1937
1D7-G	Heptode FC	2.0*	0.06	mix135 osc135	1.8 2.0	67.5	2.1	3.0	400.0	0.2^				IO	CD	1937
1E4-G	Medium-μ triode	1.4*	0.05	90	1.4	—	—	3.0	19.0	0.76				IO	CI	
1E5-G, 1E5-GT	RF tetrode	2.0*	0.06	135	1.7	67.5	0.4	3.0	950.0	0.64				IO	CE	1937
1D8-GT	Diode, triode & output pentode	1.4*	0.10	p90 t90	5.0	90 —	1.0 —	9.0 0	200.0 43.5	0.92 0.57	12.0	0.2		IO	CV	1940s
1E7-G	Double output pentode (Class A push-pull)	2.0*	0.24	135	10.5	100	3.5	7.5			24.0	0.57		IO	DA	1937
1F4 1F5-G	Output pentode	2.0*	0.12	135	8.0	135	2.4	4.5	200.0	1.70	16.0	0.31		USM5 IO	C CF	1936 1937
1F6 1F7-G	Double diode pentode	2.0*	0.06	180	2.2	67.5	0.7	1.5	1M	0.65				USS6 IO	K CG	1936 1937
1G4-GT	Low-μ triode	1.4*	0.05	90	2.3	—	—	6.0	10.7	0.83				IO	CI	1940s
1G5-G	Output pentode	2.0*	0.12	135	9.5	135	3.6	13.5	160.0	1.55				IO	CF	1938
1G6-GT	Double output triode	1.4*	0.10	90	2/11	—	—	0	45.0	0.68	12.0	0.35		IO	CZ	1940s
1H4-G	Low-μ triode	2.0*	0.06	180	3.1	—	—	13.5	10.3	0.90				IO	CI	1937
1H5-G, 1H5-GT	Single diode triode	1.4*	0.05	90	0.15	—	—	0	240.0	0.28				IO	CU	1939
1H6-G	Double diode triode	2.0*	0.06	135	0.80	—	—	3.0	35.0	0.58				IO	CH	1937

†The date given is for when the valves became generally available in the UK. Many of these, however, were sold in Britain in the early 1930s

Type	Description	Filament		Anode		Auxiliary grid		Grid	r _a	g _m / g _c	R _L	P _o	R _k	Base		Year
		Volts	Amps	Volts	mA	Volts	mA	−V	kΩ	mA/V	kΩ	Watts	Ω	Type	Ref.	
US cont																
1J5-G	Output pentode	2.0*	0.12	135	7.0	135	2.0	16.5	100.0	0.95	13.5	0.45		IO	CF	1938
1J6-G, 1J6-GT	Class B double triode	2.0*	0.24	135	5/27	—	—	0			10.0	2.1		IO	CZ	1937
1LA4	Output pentode	1.4*	0.05	90	4.0	90	1.1	4.5	300.0	0.85	25.0	0.115		B8B	AC	1940s
1LA6	Heptode FC	1.4*	0.05	mix90 osc90	0.55 1.2	90	0.6	0	600.0	0.25^				B8B	AE	1940s
1LB4	Output pentode	1.4*	0.10	90	5.0	90	1.0	9.0	200.0	0.93	12.0	0.20		B8B	AC	1940s
1LC6	Heptode FC	1.4*	0.05	90	0.8	45	1.9	0	800.0	0.25^				B8B	AE	1940s
1LH4	Single diode triode	1.4*	0.05	90	0.15	—	—	0	240.0	0.28				B8B	AB	1940s
1LN5	RF pentode	1.4*	0.05	90	1.6	90	0.35	0	1.1M	0.80				B8B	AD	1940s
1N5-G, 1N5-GT	RF pentode	1.4*	0.05	90	1.2	90	0.3	0	1.5M	0.75				IO	CE	1939
1N6-G	Diode & output pentode	1.4*	0.05	90	3.4	90	1.2	4.5	300.0	0.80	25.0	0.10		IO	CM	
1P5-GT	VM RF pentode	1.4*	0.05	90	2.3	90	0.7	0	800.0	0.75				IO	CE	
1Q5-GT	Output beam tetrode	1.4*	0.10	90	9.5	90	1.3	4.5	75.0	2.20	8.0	0.27		IO	CF	1940
1R4 = 1294	Single diode	1.4*	0.15	30	0.34	—	—	—						B8B	Y	1940s
1R5	Heptode FC	1.4*	0.05	90	0.80	45	1.9	0	800.0	0.25^				B7G	C	1940s
1S4	Output beam tetrode	1.4*	0.05	90	7.4	67.5	1.4	7.0	100.0	1.58	8.0	0.27		B7G	D	1940s
1S5	Diode & RF pentode	1.4*	0.05	67.5	1.6	67.5	0.4	0	600.0	0.63				B7G	E	1940s
1T4	VM RF pentode	1.4*	0.05	90	3.5	67.5	1.5	0	900.0	0.90				B7G	B	1940s
1T5-GT	Output beam tetrode	1.4*	0.05	90	6.5	90	1.5	6.0	250.0	1.15	14.0	0.17		IO	CF	1940s
2A3	Output triode Class AB1 push-pull	2.5*	2.50	250 300	60.0 147	—	—	45.0 62.0	0.8	5.25	2.5 3.0	3.5 15.0	750	USM4	A	1936
2A5	Output pentode	2.5	1.75	250	34.0	250	6.5	16.5	100.0	2.20	7.0	3.0		USM6	H	1936
2A6	Double diode triode	2.5	0.80	250	0.40	—	—	1.35	91.0	1.10				USS6	D	1936
2A7, 2A7S	Heptode FC	2.5	0.80	mix250 osc200	3.5 4.0	100	2.2	3/35	360.0	0.52^				USS7	A	1936
2B6	Direct coupled double triode	2.5	2.25	250	40.0	—	—	24.0	5.2	3.50	5.0	4.0		USM7	D	1936
2B7, 2B7S	Double diode VM RF pentode	2.5	0.8	250	9.0	125	2.3	3.0	650.0	1.10				USS7	B	1936
3A8-GT	Diode, triode & pentode	1.4*	0.10•	p90 t90	1.5 0.2	90	0.50	0 0	800.0 200.0	0.75 0.35				IO	CX	
3B7 = 1291	RF double triode	1.4*	0.22•	90	5.2	—	—	0	11.35	1.85				B8B	AK	1940s
3D6	RF tetrode	1.4*	0.22•	135	5.7	90	0.7	6.0	150.0	2.20				B8B	AH	1940s
3Q4	Output beam tetrode	1.4*	0.10•	90	9.5	90	2.1	4.5	100.0	2.15	10.0	0.27		B7G	F	1940s
3Q5-GT	Output beam tetrode	1.4*	0.10•	110	10.0	110	1.4	6.6	100.0	2.20	8.0	0.40		IO	CQ	1940s

Type	Description	Filament		Anode		Auxiliary grid		Grid	r _a	g _m / g _c	R _L	P _o	R _K	Base		Year
		Volts	Amps	Volts	mA	Volts	mA	−V	kΩ	mA/V	kΩ	Watts	Ω	Type	Ref.	
US cont																
3S4	Output pentode	1.4* 2.8*	0.10• 0.05	90 90	6.1 7.4	67.5 67.5	1.1 1.4	7.0 7.0		1.43 1.58	8.0 8.0	0.23 0.27		B7G	F	1940s
4A6-G	Class B double triode	2.0*	0.12•	90	10.8	—	—	1.5			8.0	1.0		IO	CY	
6A3	Output triode (Class AB1 push-pull)	6.3*	1.00	250 300	60.0 100.0	—	—	45.0	0.8	5.25	2.5 5.0	3.2 10.0	750 300	USM4	A	1937
6A4/LA	Output pentode	6.3*	0.30	180	22.0	180	3.9	12.0	45.0	2.20	8.0	1.4	465	USM5	C	1936
6A5-G	Output triode	6.3	1.00	250	60.0	—	—	45.0	0.8	5.25	2.5	3.75	800	IO	V	1940s
6A6	Double output triode (Class B2 push-pull)	6.3	0.80	300	35.0 70.0	—	—	0	23.0	1.60	8.0	10.0		USM7	E	1936
6A7, 6A7S	Heptode FC	6.3	0.30	mix250 osc100	3.5 4.0	100 —	2.7 —	3.0	550.0	0.55^				USS7	A	1936
6A8, 6A8-G 6A8-GT	Heptode FC	6.3	0.30	mix250 osc100	3.5 4.0	100 —	2.7 —	3.0	550.0	0.55^				IO	A	1936
6AB7 = 1853	VM RF pentode	6.3	0.45	300	12.5	200	3.2	3.0	700.0	5.00				IO	K	1940s
6AC5-G, 6AC5-GT	Output triode	6.3	0.40	250	32.0	—	—	from driver	36.0	3.40	7.00	3.7		IO	V	
6AC7 = 1852	RF pentode	6.3	0.45	300	10.0	150	2.5	2.0	1M	9.00				IO	K	1940s
6AD7-G	Triode & output pentode	6.3	0.85	t250 p250	3.7 36.0	— 250	— 10.5	25.0 16.5	19.0 80.0	0.33 2.50				IO	AT	
6AE5-GT	Low-mu triode	6.3	0.30	95	7.0	—	—	15.0	3.5	1.20				IO	V	
6AE6-G	Twin anode control triode for CRO	6.3	0.15	250	6.5	—	—	1.5	25.0	1.00				IO	Y	
6AE7-GT	Twin driver triode for pair of 6AC5-GTs	6.3	0.50	250	5.0	—	—	13.5	9.3	1.50				IO	Z	
6AF5-G	High-mu triode	6.3	0.30	180	7.0	—	—	18.0	49.0	1.50				IO	V	
6AG6-G	Output pentode	6.3	1.20	250	32.0	250	6.0	6.0	60.0	10.00	8.5	3.75	150	IO	AM	1940
6AG7	Output pentode	6.3	0.65	300	30.0	150	7.0	3.0	130.0	11.0	10.0	3.0		IO	L	1940s
6AL6G	Output beam tetrode	6.3	0.90	250	72.0	250	5.0	14.0	22.5	6.00	2.5	6.5	180	IO	AP	1940s
6AQ7-GT	Double diode triode	6.3	0.30	250	2.3	—	—	2.0	44.0	1.60				IO	AH	1940s
6AS7-G	Double triode series regulator	6.3	2.50	135	125.0	—	—	31.5	0.28	7.50			250	IO	AB	
6B4-G	Output triode	6.3*	1.00	250	60.0	—	—	45.0	0.8	5.25	2.5	3.2	750	IO	CI	1937
6B5 = 6N6	Triode & direct coupled output triode	6.3	0.80	t300 ot300	9.0 42.0	— —	— —	0 int. to k	24.0	2.40	7.0	4.0		USM6	E	1936
6B6-G	Double diode triode	6.3	0.30	250	0.9	—	—	2.0	91.0	1.10				IO	AE	1940

Type	Description	Filament		Anode		Auxiliary grid		Grid	r_a	g_m / g_c	R_L	P_o	R_K	Base		Year
		Volts	Amps	Volts	mA	Volts	mA	-V	k Ω	mA/V	k Ω	Watts	Ω	Type	Ref.	
US cont																
6B7, 6B7S 6B8, 6B8-G	Double diode & VM RF pentode	6.3	0.30	250	9.0	125	2.3	3.0	600.0	1.12				USS7 IO	B Q	1936 1937
6BG6-G	Line timebase output beam tetrode	6.3	0.90	700	70.0	350	6.0		30.0	6.00				IO	AQ	
6C5, 6C5-G/-GT	Medium- μ triode	6.3	0.30	250	8.0	—	—	8.0	10.0	2.00				IO	V	1936
6C6	RF pentode	6.3	0.30	250	2.0	100	0.5	3.0	1M	1.20				USS6	B	1936
6C7	Double diode triode	6.3	0.30	250	4.5	—	—	9.0	16.0	1.25				USS7	P	1937
6C8-G	Medium- μ double triode	6.3	0.30	250	3.2	—	—	0	22.5	1.60				IO	AD	
6D5-G	Output triode	6.3	0.70	275	31.0	—	—	40.0	2.24	2.10	7.2	1.4	1300	IO	V	1936
6D6 = 6U7	VM RF pentode	6.3	0.30	250	8.2	100	2.0	3.0	800.0	1.60				USS6	B	1936
6D7 = 6J7	RF pentode	6.3	0.30	250	2.0	100	0.50	3.0	1M	1.23				US7	L	
6D8-G	Heptode FC	6.3	0.15	mix250 osc135	3.5 4.3	100	2.6 —	3.0	400.0	0.55^				IO	A	1937
6E6	Double output triode (Class A push-pull)	6.3	0.60	250	18.0	—	—	27.5	3.5	1.70	14.0	1.6		USM7	E	1937
6E7 = 6U7G	VM RF pentode	6.3	0.30	250	8.2	100	2.0	3.0	800.0	1.60				USS7	L	1937
6F5, 6F5-G/-GT	High- μ triode	6.3	0.30	250	0.9	—	—	2.0	66.0	1.50				IO	T	1936
6F6, 6F6-G/-GT	Output pentode	6.3	0.70	285	38.0	285	12.0	22.0	78.0	2.55	7.0	4.5	440	IO	AM	1936
6F7, 6F7S	AF triode & pentode	6.3	0.30	t100 p250	6.3 6.5	— 100	— 1.5	3.0 3.0	20.0 850.0	0.53 1.10				USS7	N	1936
6F8-G	Medium μ double triode	6.3	0.60	250	9.0	—	—	8.0	7.7	2.60				IO	AD	1940s
6G6-G	Output pentode	6.3	0.15	180	15.0	180	2.5	9.0	175.0	2.30	10.0	1.1	540	IO	AM	1937
6G8-G	Double diode & VM RF pentode	6.3	0.30	250	6.5	100	1.5	3.0	850.0	1.10				IO	Q	
6H4-GT	Single diode	6.3	0.10	100		—	—	—	—	—				IO	BH	1940s
6H6, 6H6-G/-GT	Double diode	6.3	0.30	150	8.0	—	—	—	—	—				IO	BE	1936
6J5, 6J5-G/-GT	Medium- μ triode	6.3	0.30	250	9.0	—	—	8.0	7.7	2.60				IO	V	1936
6J7, 6J7-G/-GT	RF pentode	6.3	0.30	250	2.0	100	0.5	3.0	1.5M	1.25				IO	H	1936
6J8-G	Triode heptode FC	6.3	0.30	h250 t100	1.3 5.0	100	2.9	3.0	290.0	0.29^				IO	C	
6K5G, 6K5GT	High- μ triode	6.3	0.30	250	1.1	—	—	3.0	50.0	1.40				IO	U	1936
6K6-GT	Output pentode	6.3	0.40	315	28.0	250	9.0	21.0	75.0	2.10	9.0	4.5	570	IO	AM	1937
6K7, 6K7-G/-GT	VM RF pentode	6.3	0.30	250	10.5	125	2.6	3.0	600.0	1.65				IO	H	1936
6K8, 6K8-G/-GT	Triode hexode FC	6.3	0.30	h250 t250	2.5 3.8	100	6.0 —	3.0	600.0	0.36^				IO	D	1938

Type	Description	Filament		Anode		Auxiliary grid		Grid	r_a	g_m / g_c	R_L	P_o	R_k	Base		Year
		Volts	Amps	Volts	mA	Volts	mA	-V	k Ω	mA/V	k Ω	Watts	Ω	Type	Ref.	
US cont																
6L5-G	Medium- μ triode	6.3	0.15	250	8.0	—	—	9.0	9.0	1.90				IO	V	1936
6L6, 6L6-G	Output beam tetrode (Class AB1 push-pull)	6.3	0.90	350 360	54.0 100.0	250 270	2.5 17.0	18.0 —	33.0	5.20	4.2 9.0	11.0 24.0	300 250	IO	AM	1936
6L7, 6L7-G	VM heptode mixer	6.3	0.30	250	5.3	100	6.5	3.0	600.0	0.30^				IO	B	1937
6M6-G	Output pentode	6.3	1.20	250	36.0	250	4.0	6.0		9.50	7.0	4.4	150	IO	AM	1940
6N6-G	Triode & direct coupled output triode	6.3	0.80	t300 ot300	9.0 42.0	—	—	0 int. to k	24.0	2.40	7.0	4.0		IO	Y	1936
6N7, 6N7-G, 6N7-GT	Double triode (Class B2 push-pull)	6.3	0.80	300	70.0	—	—	0	23.0	1.60	8.0	10.0		IO	X	1937
6M8-G	Diode & triode pentode	6.3	0.60	p100 t100	8.5 0.5	100 —	—	3.0 1.0	200.0 91.0	1.90 1.10				IO	S	
6P5-G, 6P5-GT	Medium- μ triode	6.3	0.30	250	5.0	—	—	13.5	9.5	1.45				IO	V	
6P7-G	Triode pentode FC	6.3	0.30	p250 t100	2.8 2.4	100 —	0.6 —	3.0	2M	0.3^				IO	E	1938
6P8	Triode hexode FC	6.3	0.80	h250 t100	2.2 2.3	80	3.0	3.0	700.0	0.65^				IO	D	1938
6Q6-GT	Single diode triode	6.3	0.15	250	1.2	—	—	3.0	61.0	1.05				IO	AF	1936
6Q7, 6Q7-G/-GT	Double diode triode	6.3	0.30	250	1.0	—	—	3.0	58.0	1.20				IO	AE	1936
6R7, 6R7-G/-GT	Double diode triode	6.3	0.30	250	9.5	—	—	9.0	8.5	1.90				IO	M	1936
6S7, 6S7-G	VM RF pentode	6.3	0.15	250	8.5	100	2.0	3.0	1M	1.75				IO	H	1936
6SA7, 6SA7-G/-GT	Heptode FC	6.3	0.30	250	3.5	100	8.5	0/25	1M	0.45^				IO IO	F G	
6SC7	High- μ double triode	6.3	0.30	250	2.0	—	—	2.0	53.0	1.30				IO	AA	1940s
6SD7-GT	VM RF pentode	6.3	0.30	250	6.0	100	1.9	2/11	1M	3.60				IO	K	1940s
6SE7-GT	RF pentode	6.3	0.30	250	4.5	100	1.5	1.5	1.1M	3.40				IO	K	
6SF5, 6SF5-GT	High- μ triode	6.3	0.30	250	0.9	—	—	2.0	66.0	1.50				IO	W	1940s
6SF7, 6SF7-GT	Diode & VM RF pentode	6.3	0.30	250	12.4	100	3.3	1/35	700.0	2.05				IO	BY	
6SG7	Semi-VM RF pentode	6.3	0.30	250	9.2	150	3.4	2.5	1M	4.00				IO	P	1940s
6SH7	RF pentode	6.3	0.30	250	10.8	150	4.1	1.0	900.0	4.90				IO	P	
6SJ7, 6SJ7-GT	RF pentode	6.3	0.30	250	3.0	100	0.8	3.0	1M	1.60				IO	K	1940s
6SK7, 6SK7-GT	VM RF pentode	6.3	0.30	250	9.2	100	2.6	3.0	800.0	2.00				IO	K	1940s
6SL7-GT	High- μ double triode	6.3	0.30	250	2.3	—	—	2.0	44.0	1.60				IO	AB	1940s
6SN7-GT	Medium- μ double triode	6.3	0.60	250	9.0	—	—	8.0	7.7	2.60				IO	AB	1940s
6SQ7, 6SQ7GT	Double diode triode	6.3	0.30	250	0.9	—	—	2.0	91.0	1.10				IO	AG	1940s
6SR7	Double diode triode	6.3	0.30	250	9.5	—	—	9.0	8.5	1.90				IO	AG	1940s

Type	Description	Filament		Anode		Auxiliary grid		Grid	r_a	g_m / g_c	R_L	P_o	R_K	Base		Year
		Volts	Amps	Volts	mA	Volts	mA	-V	k Ω	mA/V	k Ω	Watts	Ω	Type	Ref.	
US cont																
6SS7	VM RF pentode	6.3	0.15	250	9.0	100	2.0	3.0	1M	1.85				IO	K	1940s
6T7-G	Double diode triode	6.3	0.15	250	1.2	—	—	3.0	62.0	1.05				IO	AE	1937
6U6-GT	Output pentode	6.3	0.75	250	56.0	135	3.0	14.0	20.0	6.20	3.0	5.5	240	IO	AM	1940s
6U7-G	VM RF pentode	6.3	0.30	250	8.2	100		3.0		1.60				IO	H	1937
6V6, 6V6-G/-GT	Output beam tetrode (Class AB1 push-pull)	6.3	0.45	315 285	35.0 92.0	225 285	6.0 13.5	13.0 19.0	77.0	3.75	8.5 8.0	5.5 14.0	315 250	IO	AM	1937
6V7-G	Double diode triode	6.3	0.30	250	8.0	—	—	20.0	7.5	1.10				IO	AE	1937
6W7-G	RF pentode	6.3	0.15	250	2.0	100	0.5	3.0	150.0	1.23				IO	H	
6Y6-G	Output beam tetrode	6.3	1.25	200	66.0	135	9.0	14.0	18.3	7.10	2.6	6.0	186	IO	AM	1938
6Z7-G	Class B double triode	6.3	0.30	180	60.0	—	—	0			12.0	4.2	0	IO	X	1938
7A4 = 6J5	Medium- μ triode	6.3	0.30	250	9.0	—	—	8.0	7.7	2.60				B8B	Q	1940s
7A5	Output beam tetrode	6.3	0.76	125	45.0	135	9.5	9.0	17.0	6.00	2.7	2.2	165	B8B	K	1940s
7A6	Double diode	6.3	0.15	150	10.0	—	—							B8B	L	1940s
7A7	VM RF pentode	6.3	0.30	250	8.6	100	2.0	3.0	800.0	2.00				B8B	C	1940s
7A8	Octode FC	6.3	0.15	mix250 osc100	3.0 4.2	100 —	3.2 —	3.0	700.0	0.55^				B8B	I	1940s
7B4 = 6S55	High- μ triode	6.3	0.30	250	0.9	—	—	2.0	66.0	1.50				B8B	Q	1940s
7B5	Output pentode	6.3	0.40	315	28.0	250	9.0	21.0	75.0	2.10	9.0	4.5	570	B8B	K	1940s
7B6	Double diode triode	6.3	0.30	250	0.9	—	—	2.0	91.0	1.10				B8B	B	1940s
7B7	VM RF pentode	6.3	0.15	250	8.5	100	1.7	3.0	750.0	1.75				B8B	C	1940s
7B8	Heptode FC	6.3	0.30	mix250 osc100	3.5 4.0	100 —	2.7 —	3.0	360.0	0.55^				B8B	I	1940s
7C4	Single diode	6.3	0.15	150	8.0	—	—	—	—	—				B8B	Y	1940s
7C5 = 6V6	Output beam tetrode	6.3	0.45	250	45.0	250	4.5	12.5	52.0	4.10	5.0	4.5		B8B	K	1940s
7C6	Double diode triode	6.3	0.15	250	1.3	—	—	1.0	100.0	1.00				B8B	B	1940s
7C7	RF pentode	6.3	0.15	250	2.0	100	0.5	3.0	2M	1.30				B8B	C	1940s
7E6 = 6SR7GT	Double diode triode	6.3	0.30	250	9.5	—	—	9.0	8.5	1.90				B8B	M	1940s
7F7 = 6SL7GT	High- μ double triode	6.3	0.30	250	2.3	—	—	2.0	44.0	1.60				B8B	P	1940s
7G7/1232	RF pentode	6.3	0.45	250	6.0	100	2.0	2.0	800.0	4.50				B8B	C	1940s
7H7	VM RF pentode	6.3	0.30	250	9.5	150	3.5	2.5	800.0	3.80				B8B	C	1940s
7J7	Triode heptode FC	6.3	0.15	h250 t100	1.3 5.4	100 —	2.9 —	3.0	1.5M	0.3^				B8B	H	1940s
7K7	Double diode triode	6.3	0.30	250	2.3	—	—	2.0	44.0	1.60				B8B	W	1940s
7L7	RF pentode	6.3	0.30	250	4.5	100	1.5	1.5	100.0	3.10				B8B	C	1940s

Type	Description	Filament		Anode		Auxiliary grid		Grid	r _a	g _m / g _c	R _L	P _o	R _K	Base		Year
		Volts	Amps	Volts	mA	Volts	mA	−V	kΩ	mA/V	kΩ	Watts	Ω	Type	Ref.	
US cont																
7N7	Medium-μ double triode	6.3	0.60	250	9.0	—	—	8.0	7.7	2.60				B8B	P	1940s
7Q7	Heptode FC	6.3	0.30	250	3.5	100	8.5	2.0	1M	0.55^				B8B	AN	1940s
7R7	Double diode & VM RF pentode	6.3	0.30	250	5.7	100	1.7	1.0	1M	3.20				B8B	N	1940s
10	Output triode (Class B push-pull)	7.5*	1.25	425 425	18.0 55.0	—	—	40.0 50.0	5.0	1.60	10.2 8.0	1.6 25.0	0	USM4	A	1937
12A	AF triode	5.0*	0.25	180	7.7	—	—	13.5	5.0	1.80	10.6	0.28		USM4	A	1937
12A5	Output pentode	6.3	0.60*	180	48.0	180	14.0	25.0	35.0	2.40	3.3	3.4	400	USS7	G	1936
12A6	Output beam tetrode	12.6	0.15	250	30.0	250	3.5	12.5	70.0	3.00	7.5	3.4		IO	AM	1940s
12A7	Output pentode & HW rectifier	12.6	0.30	p135 r125	9.0 30.0	135 —	2.5 —	13.5	100.0	0.98	13.5	0.55	1200	USS7	C	1937
12A8-GT	Heptode FC	12.6	0.15	mix250 osc100	3.5 4.0	100	2.7	3.0	360.0	0.55^				IO	A	1940s
12AH7-GT	Medium-μ double triode	12.6	0.15	180	7.6	—	—	6.5	8.4	1.90				IO	AC	1940s
12B7	See 14A7													B8B	C	1940s
12C8	Double diode & VM RF pentode	12.6	0.15	250	9.0	125	2.3	3.0	600.0	1.12				IO	Q	1940s
12F5-GT	High-μ triode	12.6	0.15	250	0.9	—	—	2.0	66.0	1.50				IO	T	1940s
12H6	Double diode	12.6	0.30	150	8.0	—	—	—	—	—				IO	BE	1940s
12J5-GT	Medium-μ triode	12.6	0.15	250	9.0	—	—	8.0	7.7	2.60				IO	V	1940s
12J7-GT	RF pentode	12.6	0.15	250	2.0	100	0.5	3.0	1.5M	1.25				IO	H	1940s
12K7-GT	VM RF pentode	12.6	0.15	250	10.5	125	2.6	3.0	600.0	1.65				IO	H	1940s
12K8, 12K8-GT	Triode hexode FC	12.6	0.15	h250 t250	2.5 3.8	100 —	6.0 —	3.0	600.0	0.36^				IO	D	1940s
12Q7-GT	Double diode triode	12.6	0.15	250	1.0	—	—	3.0	58.0	1.20				IO	AE	1940s
12SA7 12SA7-GT	Heptode FC	12.6	0.15	250	3.5	100	8.5	0	1M	0.45^				IO IO	F G	1940s
12SC7	High-μ double triode	12.6	0.15	250	2.0	—	—	2.0	53.0	1.30				IO	AA	1940s
12SF5, 12SF5-GT	High-μ triode	12.6	0.15	250	0.9	—	—	2.0	66.0	1.50				IO	W	1940s
12SG7	VM RF pentode	12.6	0.15	250	9.2	150	3.4	2.5	1M	4.00				IO	P	1940s
12SH7	RF pentode	12.6	0.15	250	10.8	150	4.1	1.5	900.0	4.90				IO	P	1940s
12SJ7, 12SJ7-GT	RF pentode	12.6	0.15	250	2.0	100	0.5	3.0	1.5M	1.25				IO	K	1940s
12SK7, 12SK7-GT	VM RF pentode	12.6	0.15	250	9.2	100	2.6	1.0	100.0	2.30				IO	K	1940s
12SL7-GT	High-μ double triode	12.6	0.15	250	2.3	—	—	2.0	44.0	1.60				IO	AB	1940s

Type	Description	Filament		Anode		Auxiliary grid		Grid	r _a	g _m / g _c	R _L	P _o	R _k	Base		Year
		Volts	Amps	Volts	mA	Volts	mA	−V	kΩ	mA/V	kΩ	Watts	Ω	Type	Ref.	
US cont																
12SN7-GT	Medium-mu double triode	12.6	0.30	250	9.0	—	—	8.0	7.7	2.60				IO	AB	1940s
12SQ7, 12SQ7-GT	Double diode triode	12.6	0.15	250	0.9	—	—	2.0	91.0	1.10				IO	AG	1940s
12SR7, 12SR7-GT	Double diode triode	12.6	0.15	250	9.5	—	—	9.0	8.5	1.90				IO	AG	1940s
14A7/1287	VM RF pentode	12.6	0.30	250	9.2	100	2.6	3.0	800.0	2.00				B8B	C	1940s
14B6	Double diode triode	12.6	0.15	250	0.9	—	—	2.0	110.0	0.90				B8B	B	1940s
14H7	VM RF pentode	12.6	0.15	250	9.5	150	3.5	2.5	800.0	4.20				B8B	C	1940s
14R7	Double diode & VM RF pentode	12.6	0.15	250	6.2	100	1.6	1.0	1M	3.40				B8B	N	1940s
14S7	Triode heptode FC	12.6	0.15	h250 t250	1.8 5.0	100 —	3.0 —	2.0	1.25M	0.53^				B8B	H	1940s
15	RF pentode (1H)	2.0	0.22	135	1.8	67.5	0.3	1.5	800.0	0.75				USS5	B	1937
18	Output pentode	14.0	0.30	250	34.0	250	6.5	16.5	80.0	2.35	7.0	3.5		USM6	H	1937
19 = 1J6-G	Class B double triode	2.0*	0.26	135	10/27	—	—	0			10.0	2.1		USS6	G	1936
20	Output triode	3.3*	0.132	135	6.5	—	—	22.5	6.3	0.52	6.5	0.11		USS4	A	1937
22	RF tetrode	3.3*	0.132	135	3.7	67.5	1.3	1.5	325.0	0.50				USM4	B	1936
24A, 24S	RF tetrode	2.5	1.75	250	4.0	90	1.7	3.0	600.0	1.00				USM5	B	1936
25A6, 25A6-G/-GT	Output pentode	25.0	0.30	160	33.0	120	12.0	18.0	42.0	2.40	5.0	2.2	450	IO	AM	1936
25AC5-G/-GT	High-mu output triode (Class B push-pull)	25.0	0.30	180	4.0	—	—	0	15.2	3.8	4.8	6.0	0	IO	V	
25A7G/GT	Output pentode & rectifier	25.0	0.30	p100 r125	20.5 75.0	100 —	4.0 —	15.0	50.0	1.80	4.5	0.77	615	IO	DC	1937
25B5	Direct coupled power amplifier	25.0	0.30	ot180 t100	46.0 5.8	— —	— —	0 0	15.0	2.30	4.0	3.8	—	USM6	E	1937
25B6-G	Output pentode	25.0	0.30	200	71.0	135	13.0	23.0	18.0	5.00	2.5	7.1	325	IO	AM	1936
25B8-GT	RF pentode & high-mu triode	25.0	0.15	p100 t100	7.6 0.6	100 —	2.0 —	3.0 1.0	200.0 75.0	2.00 1.50				IO	R	
25L6, 25L6-GT	Output beam tetrode	25.0	0.30	200	50.0	110	2.0	8.0	30.0	9.50	3.0	4.3		IO	AM	1937
25N6-G	See 25B5													IO	Y	1937
25SN7GT	Medium-mu double triode	25.0	0.15	250	9.0	—	—	8.0	7.7	2.60			110	IO	AB	1940s
26	Low-mu triode	1.5*	1.05	180	6.2	—	—	14.5	7.3	1.15				USM4	A	1937
27, 27S	Low-mu triode	2.5	1.75	250	5.2	—	—	21.0	9.0	1.00			4000	USS5	A	1936
30	Low-mu triode	2.0*	0.06	135	3.0	—	—	9.0	10.3	0.90				USS4	A	1936

Type	Description	Filament		Anode		Auxiliary grid		Grid	r_a	g_m / g_c	R_L	P_o	R_k	Base		Year
		Volts	Amps	Volts	mA	Volts	mA	-V	k Ω	mA/V	k Ω	Watts	Ω	Type	Ref.	
US cont																
31	Output triode	2.0*	0.13	180	12.3	—	—	30.0	3.6	1.05	5.7	0.37		USS4	A	1936
32	RF tetrode	2.0*	0.06	135	1.7	67.5	0.4	3.0	1M	0.60				USM4	B	1936
32L7-GT	Output beam tetrode and rectifier	32.5	0.30	bt 90 r125	27.0 60.0	90 —	2.0 —	7.0	17.0	4.80	2.6	1.0	2400	IO	DC	
33	Output pentode	2.0*	0.26	180	22.0	180	5.0	18.0	55.0	1.70	6.0	1.4		USM5	C	1936
34	VM RF pentode	2.0*	0.06	67.5	2.7	67.5	1.1	3.0	600.0	0.60				USM4	B	1936
35/51, 35S/51S	VM RF tetrode	2.5	1.75	250	6.5	90	2.5	3.0	400.0	1.05			330	USM5	B	1936
35L6-GT	Output beam tetrode	35.0	0.15	200	41.0	110	2.0	8.0	40.0	5.90	4.5	3.3		IO	AM	1938
36	RF tetrode	6.3	0.30	250	3.2	90	1.7	3.0	550.0	1.10				USS5	B	1936
37	Low-mu triode	6.3	0.30	250	7.5	—	—	18.0	8.4	1.10				USS5	A	1936
38	Output pentode	6.3	0.30	250	22.0	250	3.8	25.0	100.0	1.20	10.0	2.5		USS5	B	1936
39/44	VM RF pentode	6.3	0.30	250	5.8	90	1.4	3.0	1M	1.10				USM5	B	1936
40	Medium-mu triode	5.0*	0.25	180	0.2	—	—	3.0	150.0	0.20				USM4	A	
41	Output pentode	6.3	0.40	315	22.5	285	4.0	21.0	75.0	2.10	9.0	4.5		USS6	H	1936
42	Output pentode	6.3	0.70	250	34.0	250	6.5	16.5	80.0	2.50	7.0	3.5		USM6	H	1936
43 = 25A6	Output pentode	25.0	0.30	160	33.0	120	6.5	18.0	42.0	2.20	5.0	2.2		USM6	H	1936
45	Output triode	2.5*	1.50	250	36.0	—	—	56.0	17.0	2.05	4.6	2.0	1600	USM4	A	1936
46	Output tetrode (triode) (Class B push-pull)	2.5*	1.55	250 400	22.0 12.0	Connected to anode		33.0 0	2.4	2.35	6.4 5.8	1.25 20.0	1500 0	USS5	C	1936
47	Output pentode	2.5*	1.75	250	31.0	250	6.0	16.5	60.0	2.50	7.0	2.7	445	USM5	C	1936
48	Output tetrode	30.0	0.40	125	56.0	100	9.5	20.0		3.90	1.5	2.5	310	USM6	H	1936
49	Output tetrode (triode connected)	2.0*	0.12	135	6.0	Connected to anode		20.0	4.2	1.12	11.0	0.17	3330	USM5	C	1936
50	Output triode	7.5*	1.25	450	55.0	—	—	84.0	1.5	2.1	4.3	4.6	1500	USM4b	A	1937
50A5	Output beam tetrode	50.0	0.15	200	50.0	110	1.5	8.0	35.0	8.25	3.0	4.7	155	B8B	K	
50C6-G	Output beam tetrode	50.0	0.15	135	58.0	135	3.5	13.5	9.3	7.00	2.0	3.6	220	IO	AM	
50L6-GT	Output beam tetrode	50.0	0.15	200	50.0	110	2.0	8.0	30.0	9.50	3.0	4.3	160	IO	AM	1940s
51	See 35													USS5	B	
53 = 6A6/6N7	Class B double triode	2.5	2.00	300	70.0	—	—	0			8.0	10.0		USM7	E	1936
55, 55S = 85/S	Double diode triode	2.5	1.00	250	8.0	—	—	20.0	7.5	1.10			2500	USS6	D	1936
56, 56S	Medium-mu triode	2.5	1.00	250	5.0	—	—	13.5	9.5	1.45				USS5	A	1937
57 = 6J7	RF pentode	2.5	1.00	250	2.0	100	0.5	3.0	1.5M	1.25				USS6	B	1936
58 = 6U7	VM RF pentode	2.5	1.00	250	8.2	100	2.0	3.0	800.0	1.60				USS6	B	1936
59	Triple grid power output	2.5	2.00	250	35.0	250	9.0	18.0	40.0	2.5	6.0	3.0	410	USM7	F	1936
70L7-GT	Output beam tetrode and rectifier	70.0	0.15	bt110 r110	40.0 70.0	110 —	3.0 —	7.5	15.0	7.50	2.0	1.8	175	IO	AU	

Type	Description	Filament		Anode		Auxiliary grid		Grid	r_a	g_m / g_c	R_L	P_o	R_K	Base		Year
		Volts	Amps	Volts	mA	Volts	mA	-V	k Ω	mA/V	k Ω	Watts	Ω	Type	Ref.	
US cont																
71A	Output triode	5.0*	0.25	180	20.0	—	—	40.5	1.7	1.70	4.8	0.8	2025	USM4b	A	1937
75, 75S = 6SQ7	Double diode triode	6.3	0.30	250	0.9	—	—	2.0	91.0	1.10				USS6	D	1936
76 = 6P5-G/-GT	Medium- μ triode	6.3	0.30	250	5.0	—	—	13.5	9.5	1.45				USS5	A	1936
77	RF pentode	6.3	0.30	250	2.3	100	0.5	3.0	1.5M	1.25				USS6	B	1936
78	VM RF pentode	6.3	0.30	250	10.5	125	2.6	3.0	600.0	1.65				USS6	B	1936
79 = 6Y7-G	Class B double triode	6.3	0.60	250	10.6	—	—				14.0	8.0		USS6	F	1936
85	Double diode triode	6.3	0.30	250	8.0	—	—	20.0	7.5	1.10				USS6	D	1936
89	Triple grid power output	6.3	0.40	250	32.0	250	5.5	25.0	70.0	1.80	6.75	3.4	600	USS6	B	1936
112-A	Detector or AF triode	5.0*	0.25	180	7.7	—	—	13.5	4.7	1.80	10.6	0.28	4700	USS4	A	1937
117L7-GT, 117M7-GT	Output beam tetrode & rectifier	117.0	0.09	bt105 r117	43.0 75.0	105 —	4.0 —	5.2	17.0	5.30	4.0	0.85	110	IO	AV	1940s
117N7-GT	Output beam tetrode & rectifier	117.0	0.09	bt100 r117	51.0 75.0	100 —	5.0 —	6.0	16.0	7.00	3.0	1.2	110	IO	AW	1940s
117P7-GT	Output beam tetrode and rectifier	117.0	0.09	bt105 r117	43.0 75.0	105 —	5.5 —	5.2	17.0	5.30	4.0	0.85	110	IO	AW	1940s
183/483	Output triode	5.0*	1.25	250	30.0	—	—	60.0		1.70	5.0	1.8	1750	USS4	A	1937
485	Detector or AF triode	3.0	1.25	180	9.0	—	—	9.0	8.9	1.40				USS5	A	
807	Beam power tetrode (Class AB1 push-pull) (Class AB2 push-pull)	6.3	0.90	500 600 750	50.0 145.0 240.0	200 300 300	1.6 10.0 10.0	14.5 30.0 32.0	39.0	5.70	6.0 12.0 7.0	11.5 65.0 120.0	280 — —	USM5	F	1940s
615	UHF triode	6.3	0.175	250	11.0	—	—	6.0	9.0	2.20			545	IO	EL	1940s
717A	Pentode	6.3	0.175	120	7.5	120	2.5	2.0	390.0	4.00			200	IO	EM	1940s
841	Output triode	7.5*	1.25	425	120.0	—	—	5.0			7.0	28.0		USM4	A	1940s
842	Output triode	7.5*	1.25	400	25.0	—	—	100.0	2.0	1.25	7.8	3.2		USM4	A	1940s
864	General-purpose triode	1.1*	0.25	90	2.9	—	—	4.5	13.5	0.61				USS4	A	
950	Output pentode	2.0*	0.12	135	7.0	135	2.0	16.5	100.0	1.00	13.5	0.45	—	USS5	C	1937
954	Acorn UHF pentode	6.3	0.15	250	2.0	100	0.70	3.0	1M	1.40			1110	7AA	A	1940s
955	Acorn UHF triode	6.3	0.15	250	6.3	—	—	7.0	11.4	2.20			1110	5AA	A	1940s
956	UHF VM pentode	6.3	0.15	250	6.7	100	2.7	3.0	700.0	1.80			325	7AA	A	1940s
957	UHF triode	1.25*	0.05	135	2.0	—	—	5.0	20.8	0.65				5AA	A	1940s
958	UHF triode	1.25*	0.10	135	3.0	—	—	7.5	10.0	1.20				5AA	A	1940s
1203A	See 7C4													B8B	Y	1940s
1291	See 3B7													IO	ER	1940s
1294	See 1R4													B8B	Y	1940s
1299	See 3D6													IO	EN	1940s

Type	Description	Filament		Anode		Auxiliary grid		Grid	r_a	g_m / g_c	R_L	P_o	R_K	Base		Year
		Volts	Amps	Volts	mA	Volts	mA	-V	k Ω	mA/V	k Ω	Watts	Ω	Type	Ref.	
US cont																
1619	Output pentode	2.5*	2.00	300	45.0	250	5.0	10.0		4.50	8.8	3.0		IO	AM	1940s
1624	Output pentode (Class AB1 push-pull)	2.5*	2.0	580	20.0	300	12.0	25.0			<u>7.5</u>	70.0		IO	AM	1940s
1626	Output triode	12.6	0.25	250	25.0	—	—	32.0	2.38	2.10		5.0		IO	V	1940s
1630	Hexode	6.3	0.30	415	13.2	110								None	—	1940s
1852	See 6AC7													IO	K	
1853	See 6AB7													IO	K	
2101	Output pentode	2.0*	0.12	135	8.0	135	2.6	4.5	200.0	1.70	16.0	0.45	—	USS5	C	1940
2102	Double diode triode	2.0*	0.12	135	2.1	—	—	1.5	23.0	1.30				USS6	C	1940
2103	Double output pentode (Class A push-pull)	2.0*	0.26	135	4.0	135	1.2	7.5		1.60	<u>24.0</u>	0.6		USS7	H	1940
2151	Output pentode	14.0	0.30	250	48.0	250	11.6	30.0	50.0	2.30	5.0	5.0	—	USS6	H	1940
9002	UHF triode	6.3	0.15	250	6.3	—	—	7.0	11.4	2.20				B7G	AU	1940s
9003 = 956	UHF VM pentode													B7G	Q	1940s
V99 X99	Detector or AF triode	3.3*	0.063	90	2.5	—	—	4.5	15.5	0.43				USM4 USM4	F A	

UK GOVERNMENT VALVES

ARMY, NAVY, RAF and POST OFFICE

The tables below provide brief details of UK Government valves issued before the introduction of the CV Register in 1941. The nearest commercial equivalent is provided for most of them, although, the commercial types were often modified, including change of base. Most of the valves were later given CV numbers and these have also been included in the tables.

Type	Commercial Equivalents	Filament		Description and comments	Base	
		Volts	Amps		Type	Ref
ARMY						
AR4 = CV1303	210HF (Cos), HL210 (Maz), PM1HF (Mul)	1.8*	0.10	Amplifying triode	B4	A
AR5 = CV1166	P220 (Maz), LP2 (MOV), PM2A (Mul)	2.0*	0.20	Output triode	B4	A
AR6 = CV1304	LP2 (MOV)	2.0*	0.20	Output triode (selected)	B4	A
AR7 = CV1109	HL133 (Maz)	13.0	0.20	Amplifying triode (modified – B7 base)	B7	Y
AR8 = CV1306	HL23DD (Maz)	2.0*	0.05	Double diode triode	MO	G
AR9 = CV1307	210LF (Cos), L2 (Maz), L21 (MOV), PM1LF (Mul)	2.0*	0.10	Amplifying triode	B4	A
AR10 = CV1308	210DDT (Cos), L21DD (Maz), HD24 (MOV), TDD2A (Mul)	2.0*	0.10	Double diode triode	B5	E
AR11 = CV1655	4019B (STC)	4.0*	0.25	Amplifying triode	B4	A
AR12 = CV1653	4020A (STC)	2.0*	0.25	Amplifying triode	BC4	A
AR13 = CV1664	4022AR (STC)	4.0*	0.25	Amplifying triode	BC4	A
AR14 = CV1312	220RC (Cos)	2.0	0.21	Amplifying triode (IH)	B5	A
AR15 = CV1313	220LF (Cos)	2.0	0.21	Output triode (IH)	B5	A
AR16 = CV1032	220B (Cos)	2.0*	0.20	Class B output triode	B7	K
AR17 = CV1037	AC/HL (Maz), MH4 (MOV), 354V (Mul)	4.0	1.00	Amplifying triode	B5	A
AR20 = CV1663	4021B (STC)	4.0*	0.25	Output triode	B4	A
AR21 = CV1055	EBC33 (Mul)	6.3	0.20	Double diode triode	IO	AE
ARD2 = CV1078	D1 (Maz)	4.0	0.20	Single diode	Wires	—
ARD4 = CV1302	D42 (MOV)	4.0	0.20	Single diode	B4	H
ARDD1 = CV1300	10D1 (Bri)	13.0	0.20	Double diode	B5	C
ARDD3 = CV1301	D63 (MOV), 6H6G	6.3	0.30	Double diode	IO	BE
ARDD5 = CV1054	EB34 (Mul)	6.3	0.20	Double diode	IO	BE
ARH1 = CV1280	X64 (MOV), 6L7G	6.0	0.30	Heptode FC	IO	B
ARP1 = CV1118	Pen220 (Maz), PT2 (MOV), PM22A (Mul)	2.0*	0.20	Output pentode	B5	F
ARP2 = CV1320	SP2 (Mul)	2.0*	0.18	RF pentode	B7	D

Type	Commercial Equivalents	Filament		Description and comments	Base	
		Volts	Amps		Type	Ref
ARMY cont						
ARP3 = CV1321	9D2 (Bri)	13.0	0.20	VM RF pentode	B7	F
ARP4 = CV1322	SP210 (Maz)	2.0*	0.10	RF pentode	B7	D
ARP5 = CV1323	VP2 (Mul)	2.0*	0.18	VM RF pentode	B7	D
ARP6 = CV1324	SP4 (Mul)	4.0	1.00	RF pentode	B7	E
ARP7 = CV1325	42MPT (Cos)	4.0	2.00	RF pentode	B7	E
ARP8 = CV1326	AC4/Pen (Maz), PenB4 (Mul)	4.0	1.75	Output beam tetrode	B7	Z
ARP9 = CV1327	Pen1340 (Maz)	13.0	0.40	Output pentode (modified)	B7	Z
ARP9A = CV1328	7D8S (Bri)	13.0	0.65	Output pentode	B7	Z
ARP10 = CV1329	PenA4 (Mul)	4.0	1.95	Output pentode (modified – grid top cap)	B7	Q
ARP11 = CV1330	TSP4 (Mul)	4.0	1.30	RF pentode	B7	F
ARP12 = CV1331	VP23 (Maz)	2.0*	0.05	VM RF pentode	MO	A
ARP12T = CV2841		2.0*	0.05	RF pentode	MO	A
ARP13 = CV1332	VP210 (Maz)	2.0*	0.10	VM RF pentode	B7	D
ARP14 = CV1333	220IPT (Cos)	2.0	0.20	RF pentode (IH)	B7	AB
ARP15 = CV1195	KTW63 (MOV)	6.3	0.30	VM RF tetrode	IO	I
ARP16 = CV1074	KTZ63 (MOV)	6.3	0.30	RF tetrode	IO	I
ARP17 = CV1186	KT63 (MOV), 6F6G	6.3	0.70	Output beam tetrode	IO	AM
ARP18 = CV1334	KT24 (MOV)	2.0*	0.20	Output beam tetrode	B5	F
ARP19 = CV1335	SP41 (Maz)	4.0	0.95	RF pentode	MO	L
ARP20 = CV1336	SP42 (Maz)	4.0	0.95	RF pentode	MO	L
ARP21 = CV1192	Z62 (MOV)	6.3	0.45	RF pentode	IO	H
ARP22 = CV1337	116/Pen (Cos)	11.5	0.65	Output pentode	B7	Q
ARP23 = CV1124	MS/Pen (Cos)	4.0	1.00	RF pentode	B7	E
ARP24 = CV1338	220VPT (Cos)	2.0	0.21	VM RF pentode (IH)	B7	AR
ARP25 = CV1181	KT61 (MOV)	4.0	2.00	Output pentode (modified – 4V heater)	B7	Z
ARP26 = CV1340	KT44 (MOV)	4.0	2.00	Output pentode or output beam tetrode (modified)	B7	E
ARP33 = CV1341	MSP4 (MOV)	4.0	1.00	RF pentode	B7	E
ARP34 = CV1053	EF39 (Mul)	6.3	0.20	VM RF pentode	IO	H
ARP35 = CV1091	EF50 (Mul)	6.3	0.30	RF pentode	B9G	A
ARP36 = CV1065	SP41 (Maz)	6.3	0.65	RF pentode (modified – 6.3V heater)	MO	L
ARP37 = CV1342	QP25 (Maz)	2.0*	0.20	Double output pentode	MO	I
ARP38 = CV1343	KTZ73 (MOV)	4.0	0.25	RF pentode (modified)	IO	H
ARS6 = CV1317	S625 (MOV)	6.0*	0.25	RF tetrode	B3+B2	A
ARS7 = CV1318	S215VM (Maz), VS24 (MOV), PM12M (Mul)	2.0*	0.16	VM RF tetrode	B4	B

Type	Commercial Equivalents	Filament		Description and comments	Base	
		Volts	Amps		Type	Ref
ARMY cont						
ARS8 = CV1319	VS2 (MOV), PM12V (Mul)	2.0*	0.10	VM RF tetrode	B4	B
ARTH2 = CV1347	ECH35 (Mul)	6.3	0.30	Triode hexode FC	IO	C
ARTP1 = CV1344	TP22 (Maz)	2.0*	0.25	Triode pentode FC	B9	A
ARTP2 = CV1345	TP25 (Maz)	2.0*	0.20	Triode pentode FC	MO	Y
AT20 = CV1361	MZ05-20 (Mul)	6.0*	1.10	RF triode	B4	A
AT35 = CV1025	DET25 (MOV)	8.0*	2.20	RF triode	L4	A
AT75 = CV1222	ACT6 (MWT)	10.0*	1.65	RF triode	T4	A
AT200B = CV1363	DET16 (MWT)	10.0*	5.50	RF triode	T4	A
ATP4 = CV1366	V248A (Maz)	2.0*	0.30	RF pentode	MO	AA
ATP5 = CV1367	V425 (Maz)	3.0*	0.30	RF pentode	B7	D
ATP7 = CV1368	V226 (Maz)	6.0*	0.20	RF pentode	B7	D
ATP10 = CV1369	4061A (STC)	6.3	0.80	RF pentode	USM7	Q
ATP35 = CV1370	PV1/35 (Mul)	12.0	0.60	RF pentode	B7	AQ
ATP75 = CV1371	SW75Pen (Cos), PT6 (MOV), PZ1/75 (Mul)	10.0*	2.00	RF pentode	T4+tc	B
ATS25 = CV1374	5C250/A (STC), 807	6.3	0.90	RF beam tetrode	USM5	F
ATS25A = CV1364	As above	6.3	1.00	RF beam tetrode (1A heater current)	USM5	F
ATS70 = CV1365	4282B (STC)	10.0*	3.00	RF tetrode	L4	D
AU1 = CV1264	U18 (MOV)	4.0*	3.75	Full-wave rectifier	B4	E
AU3 = CV1065	U12/14 (MOV), DW4/500 (Mul)	4.0	2.50	Full-wave rectifier	B4	E
AU3A = CV1039	UU4 (Maz), MU12/14 (MOV), IW4/500 (Mul)	4.0	2.50	Full-wave rectifier	B4	E
AU4 = CV1113	U17 (MOV)	4.0*	1.00	EHT half-wave rectifier	B4	F
AU5 = CV1111	V1907 (Maz), E1132 (MOV)	4.0*	1.10	EHT half-wave rectifier	B4	F
AU6 = CV1072	MU4250 (Cos), GU50 (MOV), RG1-240 (Mul)	4.0*	3.00	High-voltage mercury-vapour rectifier	B4	F
AU8 = CV1356	U22 (Maz)	2.0	2.00	EHT half-wave rectifier	MO	S
AU12 = CV1266	U15 (MOV), RG1-250 (Mul)	6.0*	2.00	High-voltage half-wave rectifier	L4	C
AU13 = CV1863	5Z4	5.0*	2.00	Full-wave rectifier	IO	BP
AW5 = CV1359	ME41 (Maz)	4.0	0.45	Tuning indicator	MO	W
AW6 = CV1077	EM31 (Mul)	6.3	0.20	Tuning indicator	IO	AX

Type	Commercial Equivalents	Filament		Description and comments	Base	
		Volts	Amps		Type	Ref.
NAVY						
NR14 = CV1150	No data	4.0*	0.10	Low-mu triode	Clips	
NR15 = CV1151	PM3 (Mul)	3.6*	0.12	Triode	B4	A
NR15A = CV1152	L410 (MOV), PM4DX (Mul)	3.8*	0.10	Triode	B4	A
NR16 = CV1153	PM254 (Mul)	3.6*	0.30	Output triode	B4	A
NR16A = CV1154	P425 (MOV), P425 (Tun)	3.6*	0.25	Output triode	B4	A
NR17 = CV1155	No data	4.0*	0.10	Low-mu triode	B4	A
NR18 = CV1156	DEQ (MOV)	3.0*	0.22	Triode	Clips	
NR19 = CV1157	No data			Tetrode		
NR22 = CV1158	PM14 (Mul)	3.6*	0.10	RF tetrode	B4	B
NR23 = CV1159	PM14 (Mul)	3.6*	0.10	RF tetrode	B4	B
NR26 = CV1038	MHL4 (MOV), 164V (Mul)	4.0	1.00	AF triode	B4	A
NR27 = CV1160	ML4 (MOV), 104V (Mul)	4.0	1.00	Output triode	B5	A
NR27A = CV1161	ML4 (MOV), 104V (Mul)	4.0	1.00	NR27 (Special tests)	B5	A
NR28 = CV1019	P215 (MOV), PM2 (Mul)	2.0*	0.15	Output triode	B4	A
NR31 = CV399	AC/HL (Maz), MH4 (MOV), 354V (Mul)	4.0	1.00	AF triode	B5	A
NR35 = CV1163	PD220A (Maz)	2.0*	0.20	Class B double triode	B7	K
NR37 = CV1164	AC/SG (Maz), MS4 (MOV)	4.0	1.00	RF tetrode	B5	B
NR38 = CV1165	VMS4 (MOV), VM4V (Mul)	4.0	1.00	VM RF tetrode	B5	B
NR39 = CV1118	220OT (Cos), Pen220 (Maz), PM22A (Mul)	2.0*	0.20	Output pentode	B5	F
NR40 = (CV1237)	PM24D (Mul)	4.0*	2.00	Output pentode	B5	F
NR41 = CV1083	210VPT (Cos), VP21 (MOV), VP210 (Maz)	2.0*	0.10	VM RF pentode	B7	D
NR42 = CV1166	220PA (Cos), LP2 (MOV), PM2A (Mul)	2.0*	0.20	Output triode	B4	A
NR43 = CV1167	PM24A (Mul)	4.0*	0.25	Output pentode	B5	F
NR44 = CV1168	4XP (Cos), PX4 (MOV), AC044 (Mul)	4.0*	1.00	Output triode	B4	A
NR45 = CV1169	VMP4G (MOV), VP4A (Mul)	4.0	1.00	VM RF pentode	B7	E
NR46 = CV1170	D41(MOV)	4.0*	0.30	Double diode	B5	C
NR47 = CV1040	PP5/400 (Maz), PX25 (MOV), DO24 (Mul)	4.0*	2.00	Output triode	B4	A
NR48 = CV1055	EBC33 (Mul)	6.3	0.20	Double diode triode	IO	AE
NR49 = CV1056	EF36 (Mul)	6.3	0.20	RF pentode	IO	H
NR50 = CV1171	A40 (Maz), HA1 (MOV), AT4 (Mul)	4.0	0.25	Acorn triode	5AA	A
NR51 = CV1172	VMP4G (MOV), VPVA (Mul)	4.0	1.20	VM RF pentode	B7	E
NR52 = CV1173	AC/HL (Maz), MH4 (MOV), 354V (Mul)	4.0	0.65	Medium-mu triode	B5	A
NR53 = CV1174	AC/Pen (Maz), KT42 (MOV), Pen4VA (Mul)	4.0	1.00	Output pentode	B7	Z
NR54 = CV1175	ZA1(MOV), AP4 (Mul)	4.0	0.25	Acorn pentode	7AA	A

Type	Commercial Equivalents	Filament		Description and comments	Base	
		Volts	Amps		Type	Ref.
NAVY cont						
NR54A = CV1176	ZA1 (MOV), AP4 (Mul)	4.0	0.25	As NR54 (less stringent)	7AA	A
NR55 = CV1109	HL13C (Mul)	13.0	0.20	Medium-mu triode	B7	Y
NR56 = CV1178	V503 (Maz), DA30 (MOV), DO30 (Mul)	4.0*	2.00	Output triode	B4	A
NR57 = CV1179	AC/P (Maz), ML4 (MOV), TT4 (Mul)	4.0	1.00	Low-mu triode	B5	A
NR58 = CV1180	V312 (Maz)	4.0	0.65	Medium-mu triode	B5	N
NR59 = CV1181	AC2/Pen (Maz), KT41 (MOV), PenA4 (Mul)	4.0	2.00	Output pentode or tetrode	B7	Z
NR60 = CV1182	H42 (MOV)	4.0	0.60	High-mu triode	B7	Y
NR61 = CV1183	W42 (MOV)	4.0	0.60	VM RF pentode	B7	F
NR62 = CV1184	A373 (MOV)	1.8*	1.60	Voltmeter diode	SES	
NR64 = CV1100	KTW61 (MOV)	6.3	0.30	VM RF tetrode	IO	H
NR65 = CV1282	AC/S2Pen (Maz), MSP4 (MOV)	4.0	1.00	RF pentode	B7	E
NR66 = CV1187	D41 (MOV)	4.0	0.30	Double diode	B5	C
NR67 = CV1280	6L7G, X64 (MOV)	6.3	0.30	VM heptode mixer	IO	B
NR68 = CV587	6Q7G, DH63 (MOV)	6.3	0.30	Double diode triode	IO	AE
NR69 = CV1103	Y63 (MOV)	6.3	0.30	Tuning indicator	IO	AX
NR70 = CV1124	MS/Pen (Cos), SP4 (Mul)	4.0	1.00	RF pentode	B7	E
NR71 = CV1192	MS/PenT (Cos)	4.0	1.00	As NR70 (special high voltage tests)	B7	E
NR72 = CV1188	N43 (MOV)	4.0	2.00	Output pentode	B7	Q
NR73 = CV1285	6N7G, ECC31 (Mul)	6.3	1.00	Double triode	IO	X
NR74 = CV1189	AC6/Pen (Maz)	4.0	1.75	Beam power amplifier	B7	AM
NR75 = CV1190	AC/P4 (Maz)	4.0	1.10	Matched pair of NR94	B5	A
NR76 = CV1191	KTZ41(MOV)	4.0	1.50	RF tetrode	B7	AF
NR77 = CV1286	6L6G, EL35 (Mul)	6.3	1.35	Output pentode	IO	AM
NR78 = CV581	6C5G	6.3	0.30	Medium-mu triode	IO	AM
NR78A = (CV1932)	6J5G	6.3	0.30	Detector or a.f. amplifier triode	IO	V
NR79 = CV1192	Z62 (MOV)	6.3	0.45	RF pentode	IO	H
NR80	E1148			Superseded by VR135		
NR81 = CV1941	6K7G	6.3	0.30	VM RF pentode	IO	H
NR82 = CV1193	X65 (MOV)	6.3	0.30	Triode hexode FC	IO	C
NR83 = CV1074	6J7G, KTZ63 (MOV)	6.3	0.30	RF tetrode or pentode	IO	H
NR84 = CV1194	41STH (Cos), AC/TH1 (Maz), X41 (MOV), TH4 (Mul)	4.0	1.20	Triode hexode FC	B7	C
NR85 = CV1186	6F6G, KT63 (MOV)	6.3	0.70	Output pentode or beam tetrode	IO	AM
NR86 = CV1195	KTW63 (MOV)	6.3	0.30	VM RF tetrode	IO	I
NR87 = CV1196	AC5/PenDD (Maz)	4.0	2.00	Double diode output pentode	B7	I

Type	Commercial Equivalents	Filament		Description and comments	Base	
		Volts	Amps		Type	Ref.
NAVY cont						
NR88 = CV1197	RL18 (Mul)	6.3	0.25	VHF triode	Wires	
NR94 = CV1198	AC/P4 (Maz)	4.0	1.10	Triode	B5	A
NR95 = CV1287	KT32 (MOV)	26.0	0.30	Output beam tetrode	IO	AM
NT17 = CV1205	No data	4.0*	2.50	Power triode	B4	A
NT18 = CV1206	DA60 (MWT), DO60 (Mul)	6.0*	4.00	Power triode (60W dissipation)	L4	A
NT20 = CV1208	P625 (MOV), PM256 (Mul)	6.0*	0.25	Output triode	B4	A
NT36 = CV1219	DA100 (MWT), MZ1-100 (Mul)	6.0*	2.70	Power triode (100W dissipation), later reduced to 1A	L4	A
NT37 = CV1220	4033A (STC)	6.0	1.50	Power triode (25W dissipation)	B5	A
NT40 = CV1223	DET5 (MWT)	4.0*	2.00	Power triode (25W dissipation)	B4	A
NT58 = CV1288	DET12 (MWT), TY1-50 (Mul)	7.5*	3.00	RF amplifier or oscillator triode (100MHz max, 50W dissipation)	B4+2tc	R
NT62 = CV1237	PM24D (Mul)	4.0*	2.00	Output pentode	B5	F
NT62A = CV1238	As Above	4.0*	2.00	Output pentode	B5	F
NT65A = CV1240	PT15 (MWT)	4.0*	2.00	Tx pentode (modified – 4V heater and base change)	T4+tc	B
NT68 = CV1241	No data	4.0*	1.00	Power triode (20W dissipation)	B4	A
NT68A = CV1242	As NT68 with special cut-off test	4.0*	1.00	As above	B4	A
NT82 = CV1246	P2 (MOV), PM202 (Mul)	2.0*	0.22	Output triode	B4	A
NU3 = CV 1064	U12/14 (MOV), DW4/500 (Mul)	4.0*	2.25	Full-wave rectifier	B4	E
NU12 = CV1264	U18 (MOV)	4.0*	3.75	Full-wave rectifier	B4	E
NU15 = CV1267	1D5 (Brimar), U4020 (Maz)	40.0	0.20	Half-wave rectifier	B5	H
NU17 = CV1039	44IU (Cos), UU5 (Maz), MU12/14 (MOV), IW4 (Mul)	4.0	2.50	Full-wave rectifier	B4	P
NU18 = CV1113	U17 (MOV)	4.0*	1.00	EHT half-wave rectifier	B4	F
NU20 = CV1268	U50 (MOV)	5.0*	2.00	Full-wave rectifier	IO	BM
NU31 = CV1279	MU2 (Maz)	2.0*	3.10	Mercury-vapour half-wave rectifier	B4	F
NU33 = CV1290	SU2150A (Cos)	2.0	1.50	EHT half-wave rectifier	B4	S
NU34 = CV1134	HVR2 (Mul)	4.0	0.65	EHT half-wave rectifier	B4	S

Type	Commercial equivalents	Filament		Description & Comments	Base	
		Volts	Amps		Type	Ref.
RAF						
VI77 = CV1077	EM31 (Mul)	6.3	0.30	Tuning indicator	IO	AX
VI103 = CV110	Y63 (MOV)	6.3	0.30	Tuning indicator	IO	AX
VR17 = CV1017	No data	2.0*	0.067	Triode	B4	A
VR18 = CV1018	215 SG (Cos)	2.0*	0.15	RF tetrode	B4	B
VR19 = CV1019	215P (Cos)	2.0*	0.15	Output triode	B4	A
VR20 = (CV1020)	220P (Cos)	2.0*	0.20	Output triode	B4	A
VR21 = CV1021	210 LF (Cos)	2.0*	0.10	Detector or AF triode	B4	A
VR22 = CV1022	220PA (Cos)	2.0*	0.20	Output triode	B4	A
VR23 = CV1023	230XP (Cos)	2.0*	0.30	Output triode	B4	A
VR23A = CV1565		2.0*	0.30	Selected VR23	B4	A
VR25 = CV1025	DET 25 (MWT)	7.5*	1.30	Small transmitting triode	L4	A
VR26A = CV1568	No data	12.0*	1.85	Small transmitting triode (7.5MHz max.). Thoriated	L4	A
VR27 = CV1027		2.0*	0.10	Selected VR21	B4	A
VR28 = CV1028	220VSG (Cos)	2.0*	0.20	VM RF tetrode	B4	B
VR32 = CV1032	220B (Cos)	2.0*	0.20	Class B double triode	B7	K
VR35 = CV1035	QP21 (MOV)	2.0*	0.40	QPP double pentode	B7	L
VR37 = CV1037	MH4 (MOV)	4.0	1.00	AF triode	B5	A
VR38 = CV1038	MHL4 (MOV)	4.0	1.00	AF triode	B5	A
VR40 = CV1040	PP5/400 (Maz), PX25 (MOV), DO24 (Mul)	4.0*	2.00	Output triode	B4	A
VR41 = CV1041	PM12M (Mul)	2.0*	0.18	VM RF tetrode	B4	B
VR43 = CV1043	210PG (Cos)	2.0*	0.10	Heptode FC	B7	A
VR44 = CV1044	210DDT (Cos), HL21DD (Maz)	2.0*	0.15	Double diode triode	B5	E
VR45 = CV1045	X56 (MOV)	2.0*	0.44	Triode	B4	A
VR49 = CV1049	210SPT (Cos)	2.0*	0.10	RF pentode	B7	D
VR53 = CV1053	EF39 (Mul)	6.3	0.20	VM RF pentode	IO	H
VR54 = CV1054	EB34 (Mul)	6.3	0.20	Double diode	IO	BE
VR55 = CV1055	EBC33 (Mul)	6.3	0.20	Double diode triode	IO	AE
VR56 = CV1056	EF36 (Mul)	6.3	0.20	Pentode	IO	H
VR57 = CV1057	EK32 (Mul)	6.3	0.20	Octode FC	IO	A
VR57A = CV1570	EK32 (Mul)	6.3	0.20	Similar to VR57	IO	A
VR59 = CV1059	HA2 (MOV), 4671 (MOV), 955 (RCA)	6.3	0.15	Acorn triode	5AA	A
VR65 = CV1065	SP41 modified (Maz)	6.3	0.63	RF pentode (Effectively SP61)	MO	L
VR65A = CV1574	SP41 (Maz)	4.0	0.95	RF pentode	MO	L
VR66 = CV1066	P61 (Maz)	6.3	0.64	Timebase triode	MO	R

Type	Commercial equivalents	Filament		Description & Comments	Base	
		Volts	Amps		Type	Ref.
RAF cont						
VR67 = CV1067	L63 (MOV)	6.3	0.30	General-purpose triode	IO	V
VR78 = CV1078	D1 (Maz)	4.0	0.20	VHF diode	B3G	A
VR82 = CV1082	220TH (Cos)	2.0*	0.20	Triode heptode FC	B7	AK
VR83 = CV1083	210VPT (Cos)	2.0*	0.10	VM RF pentode	B7	D
VR91 = CV1091	EF50 (Mul)	6.3	0.30	VHF pentode	B9G	A
VR91A = CV1578		6.3	0.30	Selected VR91	B9G	A
VR92 = CV1092	EA50 (Mul)	6.3	0.15	VHF diode	B3G	A
VR95 = CV1095	ZA2 (MOV), 4672 (Mul), 954 (RCA)	6.3	0.15	Acorn pentode	7AA	A
VR95A = CV1579		6.3	0.15	Selected VR95	7AA	A
VR99 = CV1099	X66 (MOV)	6.3	0.34	Triode hexode FC. Similar to X65. To operate with heater range of 5.7 to 7.5V	IO	C
VR99A = CV1581	ECH35 (Mul)	6.3	0.30	Triode hexode FC (unmetallised)	IO	C
VR100 = CV1100	KTW62 (MOV)	6.3	0.30	VM RF tetrode	IO	I
VR101 = CV1101	MHLD6 (MOV)	6.3	0.65	Double diode triode	IO	AE
VR102 = CV1102	BL63 (MOV)	6.3	1.30	Double triode	IO	AD
VR106 = CV1106	9D2 (BRI)	13.0	0.20	VM RF pentode	B7	F
VR106A = CV1598	9D2 (BRI)	13.0	0.15	VM RF pentode (reduced heater current)	B7	F
VR107 = CV1107	15D2 (BRI)	13.0	0.15	Heptode FC	B7	B
VR107A	No data					
VR108 = CV1108	8D2 (BRI)	13.0	0.20	RF pentode	B7	F
VR108A = CV1599	8D2 (BRI)	13.0	0.15	RF pentode (reduced heater current)	B7	F
VR109 = CV1109	4D1 (BRI)	13.0	0.20	Medium-mu triode	B7	Y
VR109A = CV1000	4D1 (BRI)	13.0	0.15	Medium-mu triode (reduced heater current)	B7	Y
VR116 = CV1116	V872 (Maz)	6.3	0.63	RF pentode	MO	L
VR117 = CV1117	41MTL (Cos)	4.0	1.00	Medium-mu triode	B5	A
VR117A = CV1584	41MTL (Cos)	4.0	1.00	Selected VR117. V _a max = 1400V	B5	A
VR118 = CV1118	PT2 (Fer), KT2 (MOV)	2.0*	0.20	Output beam tetrode or pentode	B5	F
VR119 = CV1119	DDL4 (Cos)	4.0	0.75	Double diode	B5	C
VR122 = CV1122	41MXP (Cos)	4.0	1.10	Output triode	B5	A
VR123 = CV1123	EF8 (Mul)	6.3	0.20	Low-noise VM pentode with additional aligned grid	Ct8	L
VR124 = CV1124	MS/Pen (Cos)	4.0	1.00	RF pentode	B7	E
VR125 = CV1125	MS/PenB (Cos)	4.0	1.00	RF pentode	B7	F
VR126 = CV1126	4SH (Cos)	4.0	1.00	Hexode	B7	BC
VR129 CV1129	MS/Pen T (Cos)	4.0	1.00	RF pentode	B7	E

Type	Commercial equivalents	Filament		Description & Comments	Base	
		Volts	Amps		Type	Ref.
RAF cont						
VR130 = CV1130	HL23 (Maz)	2.0*	0.05	Medium-mu triode	MO	B
VR130A = CV1586	HL23 (Maz)	2.0*	0.05	Medium-mu triode	MO	B
VR135 = CV1135	E1148 (MOV)	6.9	0.21	VHF triode (300MHz max.)	IO	EL
VR136 = CV1136	RL7 (Mul)	6.3	0.30	VHF pentode (300MHz max.)	B9G	B
VR137 = CV1137	RL16 (Mul)	6.3	0.43	VHF triode (300MHz max.)	B9G	C
VR502 = CV1502	KT32 (MOV)	26.0	0.30	Output beam tetrode	IO	AM
VR503 = CV1503	KT33C (MOV)	13.0	0.60•	Output beam tetrode	IO	CA
VR505 = CV1505	MH41 (MOV)	4.0	1.00	High-mu triode	B5	A
VT20 = CV1020	220P (Cos)	2.0*	0.20	Output triode	B4	A
VT23 = CV1023	230XP (Cos)	2.0*	0.30	Output triode	B4	A
VT23A = CV1565	Selected VT23	2.0*	0.30	Output triode	B4	A
VT25 = CV1025	DET25 (MWT)	7.5*	1.00	Tx triode (15MHz max)	L4	A
VT25A = CV1567	DET25 (MWT)	7.5*	1.00	Tx triode (15MHz max)	L4	A
VT26 = CV1026	No data (see VT2A)			Tx triode	L4	A
VT26A = CV1568	No data	12.0*	1.85	Tx triode (7.5MHz max)	L4	A
VT30 = CV1030	No data	12.5*	6.30	Tx triode (20MHz max)	None	
VT31 = CV1031	SG250 (MUL)	11.25*	8.00	Tx tetrode	None	
VT34 = CV1034	DET3 (MWT)	15.0*	4.00	Tx triode	—	
VT45 = CV1045	X56	2.0*	0.44	RF triode (20MHz max.)	B4	A
VT46 = CV1046	PT25H (MOV)	4.0*	2.00	RF triode (20MHz max.)	B5	F
VT47 = CV1047	TZ05-20 (Mul), VLS417 (STC)	6.0*	1.10	Tx triode (20MHz max.). Special low-loss base	B4	A
VT50 = CV1050	HL2k (MOV)	2.0*	0.10	Detector or AF triode	B4	A
VT51 = CV1051	Pen220A (Maz)	2.0*	0.20	Output pentode	B5	F
VT52 = CV1052	EL32 (Mul)	6.3	0.20	Output pentode	IO	I
VT58 = CV1058	E960 (MWT)	12.6	58.00	Tx triode (250MHz max.) Metal-glass construction. Tungsten filament	—	
VT58A = CV1571	As above				—	
VT60 = CV1060	807	6.3	0.90	Beam tetrode (120MHz max.)	US5	F
VT60A = CV1572	807	6.3	0.90		US5	F
VT61 = CV1061	DET19 (MWT), RK34 (Raytheon), 4074A (STC)	6.3	0.80	Tx double triode (125MHz max.) ceramic base	USM7	M
VT61A = CV1573	TV03-10-modified (Mul)	12.0	0.44	Tx double triode (75MHz max.) Change of heater voltage	B5	U
VT61B = (CV18)	TV03-10 (Mul)	6.3	0.80	Tx double triode (75MHz max.)	USM7	M
VT62 = CV1062	DET12 (MWT), TY1-50 (Mul)	7.5*	3.25	RF oscillator or amplifier triode	B4	R
VT73 = CV1073	H63 (MOV)	6.3	0.30	Triode	IO	T

Type	Commercial equivalents	Filament		Description & Comments	Base	
		Volts	Amps		Type	Ref.
RAF cont						
VT74 = CV1074	KTZ63 (MOV)	6.3	0.30	RF tetrode	IO	I
VT75 = CV1075	KT66 (MOV)	6.3	1.27	Output beam tetrode	IO	PW
VT75A = CV1576	KT44T (MOV)	4.0	2.00	Output beam tetrode	B7	AN
VT75B = CV1577	KT44 (MOV)	4.0	2.00	Output beam tetrode	B7	AN
VT76 = CV1076	DA41 (MOV)	7.5	3.10	Power triode	USM4b	V
VT79 = CV1079	KT8 (MOV)	6.3	1.27	Tx VHF tetrode (65MHz max.)	B5	A
VT80 = CV1080	4307A (STC)	5.5*	1.00	Tx pentode (10MHz max.)	B7	BF
VT81 = CV1081	4052A (STC)	7.5*	3.00	Tx pentode (60MHz max)	US5	H
VT88 = CV1088	832 (RCA)	12.6	0.80	Tx double tetrode (200MHz max.)	None	
VT89 = CV1089	TV03-10A (Mul)	6.3	0.90	Tx double triode	B5	U
VT90 = CV1090	E1046 = CV62	8.25*	7.00	Triode micropup (300MHz max.) Thoriated filament	None	
VT93 = CV1093	No data	5.8*	4.30	Tx triode (max. 6MHz) Special low-loss base	4-pin	
VT94 = CV1094	No data					
VT96 = CV1096	5B/502A (STC)	12.0*	2.00	Tx pentode (20MHz max.). Thoriated, ceramic base.	USM5	H
VT98 = CV1098	No data	35.0*	8.25	Copper-glass Tx triode (250MHz max.). Thoriated replacement for VT58. Used in CHL Tx	None	
VT98A = CV1580	E1325 (MWT)	37.0*	8.25	As above	None	
VT104 = CV1104	PT15	6.0*	1.30	Tx pentode	B5	O
VT105 = CV1105	ML6 (MWT)	6.0	0.70	Tx pentode. Ceramic base	B5	A
VT106 = CV1106	9D2 (Brimar)	13.0	0.20	Variable-mu RF pentode	B7	F
VT106A	As above	13.0	0.20			
VT114 = CV1114	E1024 (MOV)	10.0*	70.00	Tx tetrode. Metal-glass construction. Thoriated (60MHz max.)	—	
VT114A = CV1583	As above					
VT118 = CV1018	215SG (Cos)	2.0*	0.15	RF tetrode	B4	B
VT127 = CV1127	Pen46 (Maz)	4.0	1.75	Beam power tetrode	MO	P
VT501 = CV1501	E1192 (MOV)	6.3	0.80	Beam power tetrode	IO	EQ
VT501A = CV1002	As above					
VT506 = CV1506	5C/450A (STC)	10.0*	13.00	Tx pentode. Thoriated (20MHz max.)	USL4	
VT509 = (CV62)	E1046 (MOV)	8.25*	13.00	Micropup triode (300MHz max.)	None	
VT510 = CV1510	Replaced CV309 (QVO4-7)	6.3	0.30	Beam power tetrode (60MHz max.)	B9G	F
VT513 = (CV44)	E1155 (MWT)	8.0	6.00	RF tetrode	—	
VU33 = CV1033		2.0*	0.40	Diode	B4	AF
VU39 = CV1039	44IU (Cos), UU5 (Maz), MU12/14 (MOV), IW4 (Mul)	4.0	2.50	Full-wave rectifier	B4	P
VU39A	No data	4.0	2.30		B4	P

Type	Commercial equivalents	Filament		Description & Comments	Base	
		Volts	Amps		Type	Ref.
RAF cont						
VU64 = CV1064	U12/14 (MOV)	4.0*	2.50	Full-wave rectifier	B4	E
VU71 = CV1071	U52 (MOV), 5U4G	5.0	3.00	Full-wave rectifier	IO	BM
VU71A	As above	5.0	3.00	As above	IO	BM
VU72 = CV1072	GU50 (MWT), GU5 (MOV), RG1-240 (Mul)	4.0*	3.00	Mercury-vapour half-wave rectifier	B4	F
VU111 = CV1111	V1907 (Maz)	4.0*	1.00	EHT half-wave rectifier	B4	F
VU113 = CV1113	U17 (MOV)	4.0*	1.00	EHT half-wave rectifier	B4	F
VU120 = CV1120	SU2150A (Cos)	2.0	1.50	EHT half-wave rectifier	B4	S
VU133 = CV1133	V960 (Maz)	4.0	1.30	EHT half-wave rectifier	B4	S
VU134 = CV1134	HVR2 (Mul)	4.0	0.65	EHT half-wave rectifier	B4	S
VU508 = CV1508	V1913 (Maz)	4.0*	3.00	EHT half-wave rectifier	B4	F
VW 36 = CV1036	220.PA (Cos)	2.0*	0.20	Selected VR22	B4	A
VW42 = CV1042	210LF (Cos)	2.0*	0.10	Selected VR27	B4	A
VW48 = CV1048	215SG (Cos)	2.0*	0.15	Selected VR18	B4	B

Type	Commercial Equivalents	Filament		Description and comments	Base	
		Volts	Amps		Type	Ref.
POST OFFICE						
VT10 = CV1610	MT4 (MWT)	12.5*	6.30	Transmitting triode, 1.5MHz, 200W rating	None	—
VT11 = CV1611	MR4 (MWT), Special (Edi)	12.5*	6.30	Half-wave rectifier, 15kV p.i.v.	None	—
VT12	Unknown (MOV))			Triode		—
VT13	Unknown (Mul)			Triode		—
VT14	Unknown (MOV)			Triode	PO-2	—
VT15	AT40 modified (MWT)	7.0*	1.50	Similar to AT40 but grid turns not so fine	GPO	—
VT16 = CV1607	OC2.5Kw (Mul)	40.0*	18.00	Silica transmitting triode, 500kHz, 10kW rating	None	—
VT17 = CV1608	U.4KW modified (Mul)	40.0*	18.00	Silica half-wave rectifier, 15kV p.i.v.	None	—
VT18	Unknown (MOV)			Transmitting triode		—
VT19 = CV1612	VT9B (MWT)	†	15.50	Transmitting triode, 20kHz, 200W rating	None	—
VT20	Unknown			Triode		—
VT21 = CV1613	Special (Ediswan)	†	15.50	Half-wave rectifier, 30kV p.i.v.	None	—
VT22	Unknown			Transmitting triode		—
VT23 = CV	B4?	6.0*	0.25	Low-power triode	B4	A
VT24 = CV1636	LS5 (MOV)	4.5*	0.82	Output triode	B4	A
VT25 = CV1637	LS5 (MOV)	4.5*	0.82	Output triode	BC4	A
VT26 = CV1600	CAT1 (MWT), 4006A (STC)	†	49.50	Water-cooled transmitting triode,150kHz, 10kW rating	None	A
VT27 = CV1601	CAR1 (MWT), 4008B (STC)	†	55.00	Water-cooled half-wave rectifier, 45kV p.i.v.	None	—
VT28	DE3 (MOV), B5 (BTH)	2.8*	0.06	General-purpose triode	B4	A
VT29	Unknown			Triode		—
VT30	Unknown (Philips)			Triode		—
VT31 = CV1638	4101D (STC), 101DW (Western Electric)	4.5*	1.00	Repeater triode	BC4	A
VT31B = CV1639	4101E (STC)	4.5*	1.00	General-purpose triode	BC4	A
VT32A	Unknown			Triode, no data available	BC4	
VT32B = CV1640	4102D (STC)	2.1*	1.00	General-purpose triode	BC4	A
VT32D = CV1641	4102E (STC)	2.1*	1.00	General-purpose triode	BC4	A
VT33 = CV1642	DER (MOV), Unknown (Maz)	1.8*	0.35	General-purpose triode	B4	A
VT34 = CV1614	ES1500 (Edi) MT13 (MWT)	†	24.00	Transmitting triode, 22MHz, 1.5kW rating	None	—
VT35 = CV1615	ESU1500 (Edi)	†	28.00	Half-wave rectifier, 25kV p.i.v.	None	—

Type	Commercial Equivalents	Filament		Description and comments	Base	
		Volts	Amps		Type	Ref.
POST OFFICE cont						
VT36 = CV1602	CAR4 (MWT)	†	72.50	Water-cooled half-wave rectifier, 30kV p.i.v.	None	—
VT37	Unknown (MOV)			Triode, no data available	BC4	—
VT37A	Unknown (MOV)			Triode, no data available	BC4	—
VT37B = CV1643	E132 (MOV)	2.0*	0.82	General-purpose triode	BC4	A
VT37C = CV1644	E1532 (MOV)	2.0*	0.82	General-purpose triode	BC4	A
VT38 = CV1645	E133 (MOV)	4.5*	0.82	Low-impedance triode	BC4	A
VT38A = CV1646	E1453 (MOV)	4.0*	0.15	Low-impedance triode	BC4	A
VT39	LS5A (MOV)	4.5*	0.80	Output triode	BC4	A
VT40 = CV1647	LS5B (MOV)	4.85*	0.85	General-purpose triode	BC4	A
VT41	Unknown (MOV & Mul)	5.5	1.80	Power triode, 40W rating	Special	—
VT44	Unknown (Maz)			Triode		—
VT45	Unknown (Maz & Mul)					—
VT46 = CV1616	Special (Ediswan)	†	10.00	Transmitting triode, 15MHz, 12kW rating	3-pin	—
VT47 = CV1603	4014A (STC)	†	40.50	Water-cooled transmitting triode, 15MHz, 12kW rating	None	—
VT49	B.O. (Siemens Halske)	1.8	1.10	Repeater triode	5-pin	
VT50	Unknown (STC)			Repeater triode		—
VT51 = CV1617	Special (Ediswan)	15.5*	10.00	Transmitting triode, 2MHz, 300W rating	None	—
VT52 = (CV1025)	DET25 or DET1 (MWT),	7.5*	1.00	Transmitting triode, 15MHz, 36W rating	L4	A
VT53 = CV1604	SS1971 (STC)	†	62.0	Water-cooled transmitting tetrode, 22MHz, 15kW rating	None	—
VT54 = CV1618	ES250M (Ediswan)	†	10.00	Transmitting triode, 250W rating	3-pin	
VT55	Unknown (STC)					—
VT56 = CV1648	4205E (STC)	4.5*	1.60	General-purpose triode (Bayonet adjacent to grid pin)	BC4 Special	—
VT57 = CV25	4242A (STC)	10.0*	3.25	RF or AF amplifier triode, 6MHz, 85W rating	T4	A
VT58 = CV1619	MZ2-200 (Mul), 4212E (STC)	14.0*	6.00	Transmitting triode, 21MHz, 250W rating	4-pin	
VT59 = CV1620	DET6 (MWT) 4094A (MWT)	10.0*	3.00	Transmitting triode, 6MHz, 65W rating	4-pin	
VT60 = CV1605	4014C (STC)	†	36.00	Water-cooled transmitting triode, 22MHz, 8kW rating	None	—
VT61 = CV1609	SW7 (Mul)	29.0*	17.00	Silica triode, 20MHz, 2.5kW rating	None	—
VT62 = CV1606	CAT2 (MWT)	†	49.50	Water-cooled transmitting triode, 22MHz, 10kW rating	None	—
VT63	DG250 (Edi), Special (Mul)			Double triode, 2 x 250W rating		—

Type	Commercial Equivalents	Filament		Description and comments	Base	
		Volts	Amps		Type	Ref.
POST OFFICE cont						
VT64	Unknown (MOV)			Triode		—
VT65 = CV1649	E133 (MOV)	4.5*	0.82	Low-impedance triode	B4	
VT66 = CV1650	LS5A (MOV)	4.85*	0.85	Output triode	B4	A
VT67 = (CV2846)	LS5B (MOV)	6.0*	0.95	Output triode, 10W rating	B4	A
VT68 = CV1651	G445B (MOV), Special (Mul)	4.0*	0.45	Low-impedance triode	B4	A
VT69 = CV1652	P220A (Maz)	2.0*	0.20	Output triode, 2W rating	B4	A
VT72 = CV249	Special (Mul), 4019A (STC)	4.0*	0.25	Low-impedance triode, 2.5W rating	BC4	A
VT72	Unknown (Mul & STC)			Repeater triode		—
VT73 = CV1653	4020A (STC)	2.0*	0.25	Amplifier triode	BC4	A
VT73A = CV1653	4020A (STC)	2.0*	0.25	Amplifier triode	BC4	A
VT74 = CV1654	PM2DX (Mul), L2 (Maz)	2.0*	0.10	General-purpose triode	B4	A
VT75 = CV1655	Mullard (Special), 4019B (STC)	4.0*	0.25	Low-impedance triode, 2.5W rating	B4	A
VT75A = CV1655	4019B (STC)	4.0*	0.25	Low-impedance triode, 2.5W rating	B4	A
VT76	Unknown (Mul)			Triode, no data available		—
VT77	P625A (MOV)	6.0*	0.25	Output triode	B4	A
VT78 = CV1656	LS8 (MOV)	4.0*	0.15	Low-impedance triode	B4	A
VT79A = CV1657	4020B (STC)	2.0*	0.25	General-purpose triode	B4	A
VT80	Unknown (MOV)			Triode, no data available	B4	—
VT80A = CV1658	LS9B (MOV)	2.0*	0.15	General-purpose triode	B4	A
VT81 = CV1659	4022B (STC)	4.0*	0.25	Detector or a.f. amplifier triode	B4	A
VT82 = CV1660	LS7 (MOV)	4.0*	0.15	AF triode, 2.6W rating	B4	A
VT83	Unknown (Mul)			RF tetrode, metallised		—
VT84	Unknown (Maz & MOV)			Triode		—
VT85 = CV1661	DL (MOV)	16.0	0.25	Low-power output triode	B5	
VT86 = CV1662	P215-modified (MOV)	2.0*	0.20	Low-power output triode	B4	A
VT87 = CV1663	4021B (STC)	4.0*	0.25	Repeater triode	B4	A
VT88 = CV1664	4022AR (STC)	4.0*	0.25	Detector or a.f. amplifier triode	BC4	A
VT89 = CV1665	DH (MOV)	16.0	0.20	General-purpose triode	B5	A
VT90 = CV1732	ML4 (MOV)	4.0	1.00	Output triode	B5	A
VT91 = CV1038	MHL4 (MOV)	4.0	1.00	General-purpose triode	B5	A
VT92 = CV1735	DC2/P (Maz)	35.0	0.10	Output triode	B5	A
VT93 = CV1666	P610 (MOV)	5.7*	0.10	Output triode	B4	A
VT94 = CV1667	LS5X (MOV)	6.0*	0.94	Output triode, 15W rating	B4	A
VT95 = CV1668	E420 (MOV)	6.0*	0.94	Output triode, 15W rating. Special version of LS5B	B4	A

Type	Commercial Equivalents	Filament		Description and comments	Base	
		Volts	Amps		Type	Ref.
POST OFFICE cont.						
VT96	Unknown (Maz)					—
VT97	Unknown					—
VT98 = (CV1208)	P625 (MOV), PM256 (Mul)	6.0*	0.25	Output triode	B4	A
VT99	Unknown (MOV)					—
VT100 = (CV1670)	HL1320 (Maz)	13.0	0.20	General-purpose triode	B7	Y
VT100B = CV1670	4D1 (Bri), HL13C (Mul)	13.0	0.20	General-purpose triode	B7	Y
VT102 = CV1671	4021A (STC)	4.0*	0.20	Repeater triode, 5W rating	BC4	A
VT103	Unknown			Output pentode (probably Pen36C)		—
VT103B = CV1672	Pen36C (Mul)	35.0	0.20	Output pentode, 5W rating	B7	Z
VT104 = CV1040	PP5/400 (Maz), PX25 (MOV), DO24 (Mul)	4.0*	2.00	Output triode, 25W rating	B4	A
VT105 = CV1673	HL2 (Maz, MOV)	2.0*	0.10	General-purpose triode	B4	A
VT106 = CV1674	MS/Pen modified (Cos) AC/S2Pen (Maz)	4.0	1.00	RF pentode	B7	E
VT107 = CV1675	N43 (MOV)	4.0	2.00	Output pentode, 10W rating	B7	Q
VT108 = CV1676	LS8A (MOV)	4.0*	0.15	Power triode, 5W rating	B4	A
VT109 = CV1677	S4VB (Mul)	4.0	1.10	RF tetrode	B5	B
VT110 = CV1678	MH41 (MOV)	4.0	1.00	Detector or a.f. triode	B5	A
VT111 = CV1679	DA30 (MOV), DO26 (Mul)	4.0*	2.00	Output triode, 30W rating	B4	A
VT112 = CV1680	PM202 (Mul)	2.0*	0.20	Output triode	B4	A
VT113 = CV1681	TSP4 (Mul)	4.0	1.40	RF pentode	B7	F
VT114 = CV1682	PenA4 modified (Mul)	4.0	2.00	Output pentode, 9W rating	B7	Z
VT115 = CV1683	MP/Pen (Cos) AC/Pen (Maz), MKT4 (MOV)	4.0	1.00	Output triode, 8W rating	B7	Z
VT116 = CV1684	APP4C (Tung)	4.0	2.00	Output pentode, 8W rating	B7	AA
VT116A = CV1685	APP4C (Tung)	4.0	2.00	Output pentode, 8W rating	B7	AA
VT118A = CV1686	D418 (Tung)	4.0*	0.18	Single signal diode	B4	K
VT118B = CV1687	D418 (Tung)	4.0*	0.18	Single signal diode	B4	K
VT119 = CV1169	VMP4G (MOV)	4.0	1.00	Variable-mu r.f. pentode	B7	E
VT120 = CV1688	4033A (STC)	6.0	1.40	Output triode, 25W rating	B5	A
VT121A = CV1288	DET12 (MWT), TY1-50 (Mul), 4304CB (STC)	7.5	3.25	VHF triode, 100MHz, 50W rating	B4	R
VT122 = CV244	MS/Pen (Cos), 4065A (STC)	4.0*	1.00	RF pentode	B5	E

Type	Commercial Equivalents	Filament		Description and comments	Base	
		Volts	Amps		Type	Ref.
POST OFFICE cont.						
VT123 = (CV1448)	4043C (STC)	7.5*	1.20	RF power triode, 2MHz, 35W	USM4	A
VT124 = (CV1678)	HLA2 (Bri)	4.0	1.00	Detector or a.f. triode	B5	A
VT125 = CV1689	PA1 (Bri), 3B/100B (STC))	4.0	1.00	Output triode, 10W rating	B5	A
VT126 = CV1690	9A1 (Bri)	4.0	1.00	RF pentode	B5	B
VT127 = CV1170	V914 (Maz), D41 (MOV)	4.0	0.30	Double diode	B5	C
VT127A = CV1691	DDL4 (Cos)	4.0	0.75	Double diode	B5	C
VT128 = CV1692	AC/P (Maz)	4.0	1.00	Output triode	B5	A
VT130 = CV1621	ESW501 (Maz)	6.0*	4.00	Transmitting triode, 50W rating	B4	R
VT131 = CV1168	PX4 (MOV)	4.0*	1.00	Output triode, 15W rating	B4	A
VT132 = CV1694	4104D (STC)	4.5*	1.00	Repeater triode, 5W rating	BC4	A
VT133 = CV1695	DDL13 (Cos)	13.0	0.20	Double diode	B5	C
VT136 = CV1118	PT2 (Fer) KT2 (MOV)	2.0*	0.20	Output pentode or beam tetrode	B5	F
VT137 = CV1081	4052A (STC)	7.5*	3.00	Transmitting pentode, 75MHz, 35W rating	USM5 Ceramic	H
VT138 = CV1623	RG1-125 (Mul)	2.0*	4.50	Mercury-vapour half-wave rectifier, 4kV p.i.v.	ES	—
VT139 = CV1037	AC/HL (Maz), MH4 (MOV), AC/HL (Hivac)	4.0	1.00	Detector triode	B5	—
VT140 = CV1166	LP2	2.0*	0.20	Output triode	B4	A
VT142 = CV1039	R3 (Bri), 44IU (Cos), UU5 (Maz), IW4 & MU12/14 (Mul)	4.0	2.50	Full-wave rectifier, 500V	B4	P
VT143 = CV1696	B21 (MOV)	2.0*	0.20	Class B double triode	B7	K
VT144 = CV1371	PZ1-75 (Mul), SW75-Pen (Edi)	10.0*	2.00	Transmitting pentode, 22MHz, 75W rating	T4	B
VT145 = CV243	4045A (STC)	5.0	1.60	RF tetrode	B5	F
VT146 = CV1625	RG3-250 (Mul)	2.5*	5.00	Mercury-vapour half-wave rectifier, 10kV p.i.v.	ES	—
VT147 = CV1697	X41 (MOV)	4.0	1.15	Triode hexode frequency changer	B7	C
VT148 = CV1698	A819	3.33	1.40	RF beam tetrode	B7	AF
VT149 = CV1343	A1065 (MOV), KTZ73 modified (MOV)	4.0	0.25	RF pentode (4V heater and suppressor grid)	IO	H
VT150 = CV1699	SP41 (Maz)	4.0	0.95	RF pentode	MO	L
VT150A = CV1700	SP41 (Maz)	4.0	0.95	RF pentode	MO	L
VT151 = CV1701	XLO (Hivac)	2.0*	0.085	Midget triode	Sm4	A
VT152 = CV1702	XP (Hivac)	2.0*	0.083	Midget triode	Sm4	A
VT153 = CV1703	XW (Hivac)	2.0*	0.07	Midget RF pentode	SM5	B
VT154 = CV1067	L63 (MOV)	6.3	0.30	AF triode	IO	V

Type	Commercial Equivalents	Filament		Description and comments	Base	
		Volts	Amps		Type	Ref.
POST OFFICE cont.						
VT155 = CV1704	57 (US)	2.5	1.00	RF pentode	USM6	B
VT156 = CV1705	58 (US)	2.5	1.00	Pentode	USM6	B
VT157 = CV1706	2B7 (US)	2.5	0.80	Double diode pentode	USM7	B
VT158 = CV1707	2A5 (US)	2.5	1.80	Output pentode, 8.5W rating	USM6	H
VT159 = CV 1708	80 (US)	5.0	2.00	Full-wave rectifier, 400V	USM4	C
VT160 = CV1709	6D6 (US)	6.3	0.30	Variable-mu r.f. pentode	USM6	B
VT161 = CV1710	6C6 (US)	6.3	0.30	RF pentode	USM6	B
VT162 = CV1711	6B7 (US)	6.3	0.30	Double diode pentode	USM7	B
VT163 = CV1712	42 (US)	6.3	0.70	Output pentode, 8.5W rating	USM6	H
VT164 = CV1713	EF8 (Mul)	6.3	0.20	RF pentode with additional aligned-grid	Ct8	L
VT165 = CV1714	EF9 (Mul)	6.3	0.20	Variable-mu r.f. pentode	Ct8	Q
VT166 = CV1715	EBC3 (Mul)	6.3	0.20	Double diode triode	Ct8	G
VT167 = CV1716	E1541 (MOV)	4.0*	1.00	Output triode, 15W rating	B4	A
VT168 = CV1626	RG1-240 (Mul)	2.0	2.70	Mercury-vapour half-wave rectifier, 4.7kV p.i.v.	B4	F
VT169 = CV1717	4307A (STC)	5.5*	1.00	RF pentode, 15W rating	USM5	H
VT170 = CV1718	AC/TP (Maz)	4.0	1.25	Triode pentode frequency changer	B9	B
VT171 = CV1719	U22 (Maz)	2.0	2.00	Half-wave rectifier, 4.5kV	MO	S
VT177 = CV1720	XL1.5 (Hivac)	1.5	0.083	Midget output triode	Sm4	A
VT178 = CV1721	XP1.5 (Hivac)	1.5	0.083	Midget output triode	Sm4	A
VT179 = CV1722	A901 (MOV)	5.5	1.40	Output tetrode, 10W rating	B7	Z
VT180 = CV1053	EF39 (*)	6.3	0.20	Variable-mu r.f. pentode	IO	H
VT181 = CV1052	EL32 (Mul)	6.3	0.20	Output pentode, 8W rating	IO	I
VT182 = CV1723	V257 (Maz)	2.0	0.15	RF pentode	MO	A
VT183 = CV1724	5A102D (STC)	5.7	0.85	Output pentode, 9W rating	IO	I
VT185 = CV245	4328D (STC)	7.5	0.425	RF pentode	IO	I
VT186 = CV1726	5A105A (STC)	4.0	0.425	RF pentode	IO	EQ
VT187 = CV1627	5D100A (STC)	10.0*	16.00	Transmitting pentode, 10MHz, 1kW rating	Special	
VT188 = CV1727	SP210 (Maz)	2.0	0.10	RF pentode	B7	D
VT189 = CV1128	GT1C (MOV)	4.0	1.40	Gas-filled triode	B5	A
VT190 = CV1728	WE262B (WE)	10.0	0.32	Repeater triode	USM4	W
VT191 = CV1628	GU8 (MWT)	2.35*	40.00	Mercury-vapour half-wave rectifier, 22kV p.i.v.	Special	
VT193 = CV1100	KTW61 (MOV)	6.3	0.30	RF beam tetrode	IO	H
VT194 = CV587	6Q7G (US), DH63 (MOV)	6.3	0.30	Double diode triode	IO	
VT195 = CV1863	5Z4G (US)	5.0	2.00	Full-wave rectifier, 350V	IO	BM

Type	Commercial Equivalents	Filament		Description and comments	Base	
		Volts	Amps		Type	Ref.
POST OFFICE cont.						
VT196 = CV509	6V6G (US)	6.3	0.45	Output beam tetrode, 12W rating	IO	AM
VT197 = CV1629	RG3-1250 (Mul), GU21 (MWT)	4.0*	7.00	Mercury-vapour half-wave rectifier, 11kV p.i.v.	Goliath ES	
VT198 = CV1075	KT66 (MOV)	6.3	1.27	Output beam tetrode	IO	AM
VT199 = CV124	807 (US)	6.3	0.90	RF power tetrode, 25W rating	USM5	F
VT200 = CV1065	SP61 (Maz)	6.3	0.63	RF pentode (listed as SP41 modified)	MO	L
VT201 = CV1056	EF36 (Mul)	6.3	0.20	RF pentode	IO	H
VT202 = CV1054	EB34 (Mul)	6.3	0.20	Double diode	IO	BE
VT203 = CV9	AL60 (Mul)	4.0	2.10	Output pentode	B7	E
VT204 = CV18	DET19 (MWT), 4074A (STC)	6.3	0.80	RF double triode, 5W rating	USM7	M
VT205 = CV1630	50/450A (STC)	10.0*	13.00	Transmitting pentode, 10MHz, 450W rating	Special	
VT206 = CV1120	SU2150A (Cos)	2.0	1.50	Half-wave rectifier, 5kV p.i.v.	B4	F
VT207 = CV1091	EF50 (Mul)	6.3	0.30	RF pentode	B9G	A

† Filament voltage 'as marked'

Data has not been found for several of the valves, particularly the early types. These are known to have existed but most probably in quite small quantities.

Abbreviations for companies

Bri	= Brimar
Cos	= Cossor
Edi	= Ediswan
Fer	= Ferranti
Hiv	= Hivac
Maz	= Mazda
MOV	= Marconi, Osram or GEC
Mul	= Mullard
MWT	= Marconi's Wireless and Telegraph Company
STC	= Standard Telephones & Cables
WE	= Western Electric

Rectifiers

Type	Class	Cathode			V _a	DC I _o	PIV	DC V _o	Base		Year
			Volts	Amps	Max rms	mA	Volts	Volts	Type	Ref.	
BRIMAR											
0Z4	FW	Cold	—	—	300	75	1000	300	IO	BI	1940
1A7	FW	IH	4.0	2.25	350	120			B4	E	1935
1D5	HW	IH	40.0	0.20	250	100	700		B5	H	1935
1D6	HW	IH	25.0	0.30	250	100			US6	P	
5R4GY	FW	DH	5.0	2.00	650	250			IO	BM	
5U4G	FW	DH	5.0	3.00	450	225	1550		IO	BM	1940
5V4G	FW	IH	5.0	2.00	375	175	1400		IO	BP	1940
5X4G	FW	DH	5.0	3.00	450	225	1550		IO	BN	1940
5Y3G	FW	DH	5.0	2.00	350	125	1400		IO	BM	1940
5Y4G	FW	DH	5.0	2.00	350	125	1400		IO	BN	1940
5Z3	FW	DH	5.0	2.00	450	225	1550		US4	C	1940
5Z4G	FW	IH	5.0	2.00	350	125	1400		IO	BP	1940
6X5G/GT	FW	IH	6.3	0.60	325	70	1250		IO	BF	1940
6ZY5G	FW	IH	6.3	0.30	325	40	1250		IO	BF	1940
7Y4	FW	IH	6.3	0.50	325	70	1250		B8B	A	1940
7Z4	FW	IH	6.3	0.90	325	100			B8B	A	
12Z3	HW	IH	12.6	0.30	235	55	700		US4	E	1940
25RE	FW	IH	25.0	0.30	250	85			US6	I	1940
25Y5	Vd	IH	25.0	0.30	235	75	700		US6	I	1940
25Z4G	HW	IH	25.0	0.30	250	100			IO	DQ	
25Z5	Vd	IH	25.0	0.30	235	150			US6	I	1940
25Z6G	Vd	IH	25.0	0.30	117	75			IO	BE	
35RE	FW	IH	35.0	0.30	250	100			US6	I	1940
35Z4GT	HW	IH	35.0	0.15	250	100			IO	BG	
80	FW	IH	5.0	2.00	350	125			US4	Y	
83	FW/MV	DH	5.0	3.00	450	225			US4	C	
84/6Z4	FW	IH	6.3	0.50	325	60	1250		US5	E	1940
R1	FW	IH	4.0	1.00	250	60			B4	P	1933
R2	FW	IH	4.0	2.25	350	120			B4	P	1933
R3	FW	IH	4.0	2.25	500	120			B4	P	1933
R11	HW	DH	4.0	1.10	5000	50			B4	F	
BRIVARON											
IRV40 = 1D5 Brimar	HW	IH							B5	H	
BTH											
RH1	HW	DH	7.5	1.25	550	65			B4	D	1927
BURNDEPT											
U695	HW	DH							B4	D	
CLARION											
UDH	HW	IH	20.0	0.18	250	60			B5	H	1936
UF4	FW	DH	4.0	1.00	250	60			B4	E	1932
UF41	FW	IH	4.0	2.00	350	100			B4	E	1936
UH4	HW	DH	4.0	1.00	250	40			B4	D	1932

Rectifiers

Type	Class	Cathode			V _a	DC I _a	PIV	DC V _o	Base		Year
			Volts	Amps	Max rms	mA	Volts	Volts	Type	Ref.	
COSMOS											
SP41/U	HW	DH	4.0	1.00	250	30			B4	D	1927
SP42/U	FW	DH	4.0	2.00	350	60			B4	E	1927
SP43/U	HW	DH	4.0	2.00	350	75			B4	E	1928
SP45/U	HW	DH	4.0			30			B4	D	1928
COSSOR											
4/100 B.U.	FW	DH	4.0	2.50	500	200			B4	E	1937
5X4G	FW	DH	5.0	2.00	500	125	1400		IO	BN	1940
5Y4G	FW	DH	5.0	2.00	420	130			IO	BN	1940
5Z3	FW	DH	5.0	3.00	500	250	1400		USM4	C	1940
6ZY5G	FW	IH	6.3	0.30	350	35	1000		IO	BF	1940
25RE	FW	IH	25.0	0.30	250	80			USS6	I	1940
25Z5	Vd	IH	25.0	0.30	125	100			USS6	I	1940
35RE	FW	IH	35.0	0.30	250	120			USS6	I	1940
40 S.U.A	HW	IH	40.0	0.20	250	75			B5	H	1934
43 I.U.	FW	IH	4.0	2.50	350	120			B4	P	1937
44 I.U.	FW	IH	4.0	2.50	500	120			B4	P	1937
44 S.U.	HW	DH	4.0	0.40	250	30			B4	E	1930
45 I.U.	FW	IH	4.0	3.50	500	250			B4	P	1939
80	FW	DH	5.0	2.00	350	120	1400		USM4	C	1940
84	FW	IH	6.3	0.50	450	60	1250		USM5	E	1940
225 D.U.	Vd	DH	2.0	0.50	750	20			B7	AG	1937
405 B.U.	FW	DH	4.0	0.50	1500	20			B4	E	1937
408 B.U.	FW	DH	4.0	1.00	250	30			B4	E	1930
412 B.U.	FW	DH	4.0	1.00	250	70			B4	E	1929
412 S.U.	HW	DH	4.0	1.00	250	70			B4	D	1930
442 B.U.	FW	DH	4.0	2.50	350	120			B4	E	1931
460 B.U.	FW	DH	4.0	2.50	500	120			B4	E	1931
506 B.U.	FW	DH	4.0	1.00	250	60			B4	E	1930
612 B.U.	FW	DH	6.0	0.40	250	50			B4	E	1929
624 B.U.	FW	DH	6.0	2.00	500	60			B4	E	1930
660 S.U.	HW	DH	6.0	4.00	1000	150			B4	D	1929
680 S.U.	HW	DH	6.0						B4	D	
825 B.U.	FW	DH	7.5	2.00	500	120			B4	E	1930
B.U.6	FW	DH	6.0	2.00	250	80			B4	E	1928
OM1	HW	IH	30.0	0.20	250	120			IO	BG	1940
S.U.6	HW	DH	6.0	1.00	250	35			B4	D	1928
S.U.750	HW	IH	10.0	2.40	3000	250	9000		BC4	E	
S.U.2130	HW	IH	2.0	1.00	4000	2		5500	B4	S	1937
S.U.2150	HW	IH	2.0	1.00	8000	2			B4	S	1937
S.U.2150A	HW	IH	2.0	1.50	5000	10			B4	S	

Rectifiers

Type	Class	Cathode		V _a	DC I _b	PIV	DC V _b	Base		Year
			Volts	Amps	Max rms	mA	Volts	Volts	Type	Ref.
DARIO										
FW1	FW	DH	4.0	1.00	300	75		245	B4	E 1932
FW2	FW	DH	4.0	1.00	350	120		320	B4	E 1932
FW3	FW	DH	4.0	2.00	500	120		500	B4	E 1932
IFW1	FW	IH	4.0	2.00	500	120		500	B4	P 1935
IFW4	FW	IH	4.0	2.50	500	120			B4	P
SW1	HW	DH	4.0	1.00	400	60		400	B4-3	D 1934
TB34	FW	IH	4.0	2.40	500	120			B4	P
TBY233	VD	IH	33.0	0.18	2 x 125	120			B7	G
TW1	HW	IH	20.0	0.20	250	75			B5	H 1934
TW1P = UR1 Mullard	HW								B5	H
TW2	FW VD	IH	30.0	0.20	250 2 x 125	120 60			B7	W 1936
TW2P = UR3 Mullard	HW	IH	30.0	0.20	250	120			C18	AL
TZ34	FW	IH	4.0	2.00	350	120			B4	P 1938
V90	FW	DH	4.0	2.50	450	125			B4	E 1931
V105	HW	DH	7.0	1.00	550	50			B4	D 1931
V165	HW	DH	7.5	1.30	850	100			B4	D 1931
V3880	FW	DH	4.0	1.30	350	75			B4	E 1930
V4001	FW	IH	4.0	1.00	300	40			B4	P 1930
EDISWAN										
C.R.1	HW	DH	6.0	2.00	5000				B4	D 1932
C.R.2	HW	DH	4.0	0.40	250	30			B4	D
U.222	FW	DH	2.0	2.20	125	30			B4	E
EKCO										
R41 = DW3 (Mullard)	FW	DH							B4	E 1937
ETA										
D3-50B	FW	DH	4.0	0.70	300	50			B4	E 1931
D3-80B	FW	DH	4.0	2.00	350	80			B4	E 1931
D5-125B	FW	DH	4.0	2.10	500	750			B4	E 1932
G7-85	HW	DH	7.5	1.25	700	85			B4	E 1932
EVER-READY										
A11B = IW4-350	FW	IH	4.0	2.40	350	120			B4	P 1935
A11C = IW4-500	FW	IH	4.0	2.40	500	120			B4	P 1936
A11D = IW4-350	FW	IH	4.0	2.00	350	120			B4	P 1936
C10B = UR1C	HW	IH	20.0	0.20	250	75			B5	H 1935
S11A = DW2	FW	IH	4.0	1.00	250	60			B4	P 1936
S11D = DW4-350	FW	IH	4.0	2.00	350	120			B4	P 1937

Rectifiers

Type	Class	Cathode		V _a	DC I _o	PIV	DC V _o	Base		Year
			Volts	Amps	Max rms	mA	Volts	Volts	Type	Ref.
FERRANTI										
ER4	HW	DH	4.0	1.00	5000	4			B4	F 1937
GR4	FW/MV	IH	4.0	3.00	350	350			B4	P 1937
R4	FW	DH	4.0	2.50	350	120			B4	E 1933
R4A	FW	DH	4.0	2.50	500	120			B4	E 1933
R4B	HW	DH	4.0	1.00	400	65			B4	D
R5	FW	DH	5.0	1.60	400	60			B4	E 1933
R41	FW	IH	4.0	1.00	250	60			B4	P
R42	FW	IH	4.0	2.50	350	125			B4	P
R43	FW	DH	4.0	3.00	500	250			B4	P
R52	FW	IH	5.0	2.00	350	125			IO	BP
RA	FW	IH	13.0	0.30	250	50			B5	C 1935
RS	HW	IH	20.0	0.30	250	75			B5	C 1934 1936
RZ	HW	IH	20.0	0.20	250	75			B5	H 1935
GRAHAM FARISH										
UU60/250 (Hivac)	FW	IH	4.0	1.25	300	75			B4	P 1936
UU120/350 (Hivac)	FW	IH	4.0	2.50	350	120			B4	P 1936
HIVAC										
HVU1	HW	IH	4.0	1.00	6000	3			B4	S 1937
MR1	HW/MV	DH	4.0	3.00	1000	250			B4	D 1936
U26	FW VD	IH	13.0	0.60•	250 110	120 75			B7	M 1936
UU60/250	FW	IH	4.0	1.25	300	75			B4	P 1935
UU120/350A	FW	IH	4.0	2.50	350	120			B4	P 1934
UU120/500	FW	IH	4.0	2.50	500	120			B4	P 1934
HMV										
S70 = DW15 Mullard	FW	DH	7.5	0.60					B4	E
LISSEN										
U16	HW	IH	16.0	0.25	300	40			B4	D 1933
U625	HW	DH	6.0	0.25					B4	D
U650	HW	DH	6.0	0.50	300	40			B4	D 1930
UU41	FW	DH	4.0	1.00	300	80			B4	E 1930
UU42	FW	DH	4.0	2.50	350	120			B4	E 1934
UU43	FW	DH	4.0	2.50	500	120			B4	E 1934
LOEWE										
4NG	FW	DH	4.0	0.70	300	80				1931
8NG	FW	DH	2.5	1.00	300	80				1931
10NG	HW	DH	4.0	0.25	300	30				1931
12NG	FW	DH	4.0	0.25	300	30				1931
16NG	HW	DH	2.0	0.24	250	15				1935

Rectifiers

Type	Class	Cathode			V _s	DC I _o	PIV	DC V _o	Base		Year
			Volts	Amps	Max rms	mA	Volts	Volts	Type	Ref.	
MARCONI-OSRAM											
A831 (for battery charging)	FW	DH	1.8	2.80	30	1.3A			B4	E	
AZ31/U143	FW	DH	4.0	1.10	500	60			IO	BM	
GU1	HW/MV	DH	4.0	3.00	1000	250			B4	D	1930
GU5	HW/MV	DH	4.0	3.00	1500	250			B4	F	1936
GU50	HW/MV	DH	4.0	3.00	1500	250			B4	F	1940
MU12	FW	IH	4.0	2.50	350	120			B4	E	1933
MU12/14	FW	IH	4.0	2.50	500	120			B4	E	1939
MU14	FW	IH	4.0	2.50	500	120	1400		B4	E	1933
U4	HW	DH	6.0	0.25	220	15			B4	D	1926
U5	FW	DH	5.0	1.60	400	60			B4	E	1926
U8	FW	DH	7.5	2.40	500	120			B4	E	1928
U9	FW	DH	4.0	1.00	250	75			B4	E	1929
U10	FW	DH	4.0	1.00	250	100		222	B4	E	1930
U12	FW	DH	4.0	2.50	350	120			B4	E	1931
U12/14	FW	DH	4.0	2.50	500	120			B4	E	1939
U14	FW	DH	4.0	2.50	500	120			B4	E	1931
U15	HW	DH	6.0	2.00	1500	200			L4	C	
U16	HW	DH	2.0	0.25 1.00	5000 5000	2 5			B4	F	1936 1938
U17	HW	DH	4.0	1.00	2500	30	7100		B4	F	1936
U18	FW	DH	4.0	3.40	500	250			B4	E	1936
U18/20	FW	DH	4.0	3.75	500 850	250 125			B4	E	1939
U19/23	HW	DH	4.0	3.30	2500	200	7100		B4	F	PW
U20	FW	DH	4.0	3.75	850	125			B4	E	1939
U23	HW	DH	4.0	3.30	1750	250			B4	F	
U27	HW	DH	4.0	1.00	5000	50	14kV		B4	F	
U29	HW	DH	2.0	2.75	10kV	20	30kV		B4	F	
U30	HW FW VD	IH	26.0 13.0 26.0	0.30 0.60 0.30	180 250 220	120 120 75			B7	M	1934
U31	HW	IH	26.0	0.30	250	120			IO	BG	1937
U50	FW	DH	5.0	2.00	350	125			IO	BM	1937
U52	FW	DH	5.0	3.00	500	250	1400		IO	BM	1938
U70	HW	IH	6.0	0.80	350	75			IO	BF	1939
U71	HW	IH	30.0	0.16	250	75			IO	BG	1939
U74	HW	IH	30.0	0.16	250	75			IO	BG	WW2
U76	HW	IH	30.0	0.16	250	100	700		IO	BG	PW
U134	2 x HW	IH	13.0	1.50	350	100			IO	BE	1939

Rectifiers

Type	Class	Cathode			Va	DC I _o	PIV	DC V _o	Base		Year
			Volts	Amps	Max rms	mA	Volts	Volts	Type	Ref.	
MAZDA											
CR2	HW	DH	2.0	1.50	3000	19			B4	D	1934
ESU75 (Ediswan)	HW/MV	DH	2.0	8.00	3000	900pk			ES	—	
ESU150 (Ediswan)	HW/MV	DH	4.0	10.00	5000	1800pk			Goliath	—	
MU1 (Ediswan)	HW/MV	DH	4.0	2.50	1000	250			B4	D	1934
MU2 (Ediswan)	HW/MV	DH	2.0	3.10	4500	300	12.5kV		B4	F	1936
U21	HW	IH	2.0	1.85	4500	5	12.5kV	5450	B4	S	1937
U22	HW	IH	2.0	2.00	4500	5	12.5kV	6100	MO	S	1939
U30/250	HW	IH	4.0	1.00	250	30			B4	D	1929
U60/500	HW	IH	4.0	2.00	500	60			B4	D	1930
U65/550	HW	DH	7.5	1.25	550	65			USM4	D	1929
U75/300	HW	DH	4.0	2.00	300	75			B4	D	1929
U120/500	HW	IH	4.0	2.00	500	60			B4	D	1930
U201	HW	IH	20.0	0.20	250	90			IO	BG	PW
U403	HW	IH	40.0	0.20	250	120		1380	MO	T	1938
U4020	HW	DH	40.0	0.20	250	75			B5	H	1934
UD41	VD	IH	4.0	1.15	550	35			B7	AI	1937
UU2	FW	IH	4.0	1.00	250	60			B4	P	1930
UU3	FW	IH	4.0	2.20	250	60			B4	P	1934
UU4	FW	IH	4.0	2.20	350	120		400	B4	P	1936
UU5	FW	IH	4.0	2.30	500	120		580	B4	P	1936
UU6	FW	IH	4.0	1.35	350	90		405	MO	H	1938
UU7	FW	IH	4.0	2.30	350	120		405	MO	H	1938
UU8	FW	IH	4.0	2.80	350	250		380	MO	H	1939
UU10	FW	IH	4.0	2.30	500	180			B4	P	PW
UU30/250	FW	IH	4.0	1.00	250	30			B4	P	1931
UU60/250	FW	IH	4.0	2.00	250	60			B4	P	1929
UU120/250	FW	DH	4.0	2.00	250	120			B4	E	
UU120/350	FW	DH	4.0	2.50	350	120			B4	E	1930
UU120/500	FW	IH	4.0	2.50	500	120			B4	P	1931
V960 = CV1133	HW	IH	4.0	1.30	2500	60	7000		B4	S	
V1907 = CV1111	HW	DH	4.0	1.10	5000	50	14kV		B4	F	
V1913 = CV1508	HW	DH	4.0	3.00	2750	125	8000		B4	F	
MULLARD											
AX50	FW/MV	DH	4.0	3.75	500	250			B4	E	
AZ1	FW	DH	4.0	1.10	300	100		285	Ct8	AP	1938
AZ2	FW	DH	4.0	2.00	500	160			Ct8	AP	1938
AZ3	FW	IH	4.0	2.00	350	120		380	Ct8	AN	1938
AZ31	FW	DH	4.0	1.10	300	100			IO	BM	1939
AZ32	FW	DH	4.0	2.00	300	160			IO	BM	1939
AZ50	FW	DH	4.00	3.0	500	250			Ct8	AP	1939
CY1	HW	IH	20.0	0.20	250	120			Ct8	E	1939
CY1C	HW	IH	20.0	0.20	250	120			B5	H	1939
CY2	FW	IH	30.0	0.20	250	120			Ct8	AL	1939
CY31	HW	IH	20.0	0.20	250	75			IO	BG	1939

Rectifiers

Type	Class	Cathode			Va	DC I _o	PIV	DC V _o	Base		Year
			Volts	Amps	Max rms	mA	Volts	Volts	Type	Ref.	
MULLARD cont.											
CY32	2 x HW	IH	30.0	0.20	250	120			IO	BE	1939
DU1	HW	DH	4.0	0.60	250	30		250	B4/3	D	1930
DU2	FW	DH	4.0	1.00	250	75		250	B4	E	1928
DU3	HW	DH	4.0	0.60	500	30			B4/3	D	1930
DU4	HW	DH	4.0	1.00	500	60		500	B4/3	D	1930
DU5	FW	DH	4.0	1.00	300	75			B4	E	1926
DU10	HW	DH	4.0	1.00	250	75		250	B4/3	D	1926
DU15	HW	DH	7.5	0.60	500	60		520	B4/3	D	1930
DW1	FW	DH	4.0	0.60	250	30		260	B4	E	1930
DW2	FW	DH	4.0	1.00	250	60		245	B4	E	1930
DW2X	FW	DH	4.0	1.00	250	75			B4	E	
DW3	FW	DH	4.0	2.00	350	120		320	B4	E	1931
DW4	FW	DH	4.0	2.00	500	120		500	B4	E	1931
DW4-350	FW	DH	4.0	2.00	350	120		380	B4	E	1936
DW4-500	FW	DH	4.0	2.00	500	120			B4	E	1939
DW5	HW	DH	4.0	1.20	800	100			B4/3	D	
DW6	FW	DH	4.0	4.00	1000	120		1100	B4	E	1931
DW7	HW	DH	4.0	1.30	1000	75			USM4	D	
DW7X	FW	DH	4.0	1.00	500	60			B4	E	
DW8	FW	DH	5.0	1.00	425	60		450	B4	E	1930
DW15	FW	DH	7.5	0.60	500	60		650	B4	E	1929
DW30	FW	DH	7.5	2.40	500	120		500	B4	E	1929
EZ1	FW	IH	6.3	0.40	250	60			Ct8	P	1938
EZ2	FW	IH	6.3	0.40	350	60			Ct8	P	1937
EZ3	FW	IH	6.3	0.65	400	100			Ct8	P	1938
EZ35	FW	IH	6.3	0.65	327	70			IO	BF	1946
FW4-500	FW	DH	4.0	3.00	500	250			B4	E	1939
FW4-800	FW	DH	4.0	3.00	850	125			B4	E	
HVR1	HW	DH	2.0	0.29	6000	5	15kV	5400	B4	F	1936
HVR2	HW	IH	4.0	0.65	6000	3	20kV	6200	B4	S	1937
HVR2A	HW	IH	2.0	1.50	6000	3			B4	S	1937
IW2	FW	IH	4.0	1.20	250	60		250	B4	P	1933
IW2A	FW	IH	4.0	2.40	250	60			B4	P	1933
IW3	FW	IH	4.0	2.40	350	120		350	B4	P	1933
IW4	FW	IH	4.0	2.40	500	120		500	B4	P	1934
IW4-350	FW	IH	4.0	2.00	350	120			B4	P	1936
IW4-500	FW	IH	4.0	2.50	500	120			B4	P	1939
RG1-125	HW/MV	DH	4.0	5.00	1400	250		1250	ES	—	1938
RG1-240	HW/MV	DH	4.0	2.70	1500	500		1350	B4	AE	1938
RG1-240A	HW/MV	DH	4.0	2.70	1670	500		1500	B4	F	1938
RZ1-75	FW	DH	2.2	4.00	1150	70			B4	AA	1934
RZ1-150	FW	DH	4.0	4.00	1000	150			L4	B	1934
RZ1-250	HW	DH	6.0	2.00	1500	500			L4	C	1934
UR1	HW	IH	20.0	0.20	250	75		250	Ct8	AM	1934

Rectifiers

Type	Class	Cathode			V _a	DC I _o	PIV	DC V _o	Base		Year
			Volts	Amps	Max rms	mA	Volts	Volts	Type	Ref.	
MULLARD cont											
UR1C	HW	IH	20.0	0.20	250	120		210	B5	H	1935
UR2	FW	IH	30.0	0.20	250	120		250	Ct8	AL	1934
UR3	FW	IH	30.0	0.20	250	120		270	Ct8	AL	1935
UR3C	FW	IH	30.0	0.20	250	120		270	B7	AE	1935
OSTAR-GANZ											
EG50	HW	IH	100/250	0.024	300	50		220	B5	H	1932
EG100	HW	IH	100/250	0.024	300	120		240	B5	H	1932
NG40	VD	IH	100/150	0.024	300	50		440	B5	V	1932
NG50	VD	IH	100/150	0.024	300	50			C7	G	1934
NG100	2 x HW	IH	100/150	0.024	300	100			C7	G	1934
VG45 (Diode bridge)	FW	IH	150/250	0.044		45		260	B4	AG	1932
PHILIPS.											
328	FW	DH	1.85	2.80	28	1300			B4	E	1930
367	HW/MV	DH							B4	D	1928
373	HW	DH	4.0	1.00	220	40			B4	D	1928
451	FW	DH	1.85	2.80	16	1300			B4	E	1930
505	HW	DH	4.0	1.00	400	60			B4	D	1929
506	FW	DH	4.0	1.00	300	75			B4	E	1928
506K	FW	DH	4.0	1.00	300	75			B4	E	1930
1002	FW	DH	1.8	2.80	160	100			B4	E	1930
1110 (gas-filled) for battery charging	FW	DH	1.8	3.50	60	2A max.			B4	E	
1560	FW	DH	5.0	2.00	400	120			B4	E	1930
1561	FW	DH	4.0	2.00	500	120			B4	E	1930
1562	FW	DH	4.0	2.00	500	120			B4	E	1930
1801	FW	DH	4.0	0.60	250	30			B4	E	1930
1807	FW	DH	4.0	2.00	350	120			B4	E	1931
1815	FW	DH	4.0	0.30	250	25			B4	E	
1821	FW	DH	4.0	1.00	250	60			B4	E	1930
1832	FW	DH	4.0	1.20	800	100			B4	E	
1861	FW	IH	4.0	2.40	500	120			B4	P	1932
1867	FW	IH	4.0	2.40	350	120			B4	P	1932
1881	FW	IH	4.0	1.20	250	60			B4	P	1932
1881A	FW	IH	4.0	2.40	250	60			B4	P	1932
CY1	HW	IH	20.0	0.20	250	120			Ct8,	E	1938
CY1C	HW	IH	20.0	0.20	250	120			B5	H	
CY2	HW	IH	30.0	0.20	250	120			Ct8	AL	
PIX											
40/250	FW	DH	4.0	0.60	250	40			B4	E	1932
60/250	FW	DH	4.0	0.60	250	60			B4	E	1936
120/350	FW	IH	4.0	2.00	350	120			B4	P	1936
120/500	FW	DH	4.0	2.00	500	120			B4	E	1932
500	FW	DH	4.0	1.00	300	60			B4	E	1932

Rectifiers

Type	Class	Cathode			Va	DC I _o	PIV	DC V _o	Base		Year
			Volts	Amps	Max rms	mA	Volts	Volts	Type	Ref.	
RADIO RECORD											
FW3	FW	DH	4.0	2.00	350	120			B4	E	
FW4A	FW	IH	4.0	1.20	250	60			B4	P	
FW5	FW	DH	4.0	2.00	500	120			B4	E	
FW6	FW	DH	4.0	2.00	600	180			B4	E	
FW350	FW	DH	4.0	1.00	300	80			B4	E	
HW/20	HW	IH	20.0	0.20	250	80			B5	H	
HW20L	HW	IH	20.0	0.20	250	80			Ct8	E	
HW30	HW	IH	30.0	0.20	275	120			B5	H	
IFW4A	FW	IH	4.0	2.00	400	120			B4	P	
UFW/30	FW	IH	30.0	0.20	275	120			B7	AE	
UFW/30L	FW	IH	30.0	0.20	275	120			Ct8	E	
SIX-SIXTY											
SSIH60/250	FW	IH	4.0	1.20	250	60			B4	P	1933
SSIH120/350	FW	IH	4.0	2.40	350	120			B4	P	1933
SSU465	HW	DH	4.0	1.00	500	60			B4	D	1930
SSU765	HW	DH	7.5	0.60	500	60			B4	D	1930
SSW60/250	FW	IH	4.0	1.20	250	60			B4	P	
SSW120/350	FW	DH	4.0	2.00	350	120			B4	E	1931
SSW120/500	FW	DH	4.0	2.00	500	120			B4	E	1931
SSW432	FW	DH	4.0	0.60	250	30			B4	E	1930
SSW462	FW	DH	4.0	1.00	250	60			B4	E	1930
THREE SIX TWO											
RB41	FW	DH	4.00	1.00	300	60			B4	E	1934
RB42	FW	DH	4.00	2.00	500	120			B4	E	1934
RB250/80	FW	DH	4.0	1.00	250	80			B4	E	
RB350/80	FW	DH	4.0	1.50	350	80			B4	E	1936
RB500/120	FW	DH	4.0	2.00	500	120			B4	E	1936
RB650/80	FW	DH	4.0		650	80			B4	E	1935
RB650/250	FW	DH	4.0	4.00	650	250			B4	E	1935
TRIOTRON											
G429	HW	DH	4.0	0.30	250	30			B4	D	1931
G431	FW	DH	4.0	0.60	250	30			B4	E	1931
G470	FW	DH	4.0	1.00	300	75			B4	E	1931
G2080	HW	IH	20.0	0.20	250	80			B5 Ct8	H E	1935 1936
G3060	2 x HW	IH	30.0	0.20	2 x 125	120			Ct8	F	1935
G3070	HW	IH	30.0	0.18	250	70			B5	H	1934
G3412	2 x HW	IH	33.0	0.18	250	120			B7	M	1934
G4100	HW	DH	4.0	2.00	750	100			B4	D	1931
G4110	FW	DH	4.0	2.00	250	120			B4	E	1935
G4120	FW	DH	4.0	2.00	500	120			B4	E	1931
G4120N	FW	IH	4.0	2.50	500	120			B4	P	1934
G4150	HW	DH	4.0	3.00	750	150			B4	D	1933

Rectifiers

Type	Class	Cathode			Va	DC I _o	PIV	DC V _o	Base		Year
			Volts	Amps	Max rms	mA	Volts	Volts	Type	Ref.	
TRIOTRON cont.											
G.A.24	FW	DH	4.0	0.90	250	60			B4	E	1929
G.D.24	FW	DH							B4	E	1929
G.N.14	HW	DH	4.0	0.25	250	30			B4	E	1929
G.N.24	FW	DH	4.0	0.25	250	30			B4	E	1929
TUNGSRAM											
APV4	FW	IH	4.0	2.00	400	120			B4	P	1936
APV4100	FW	DH	4.0	2.00	500	120			B4	E	
APV4200	FW	IH	4.0	2.00	300	120			B4	P	1933
AZ1	FW	DH	4.0	1.00	300	60			Ct8	AP	1940s
AZ2	FW	DH	4.0	2.00	500	120			Ct8	AP	1940s
AZ4	FW	DH	4.0	2.40	500	120			Ct8	AP	1940s
AZ31	FW	DH	4.0	1.10	500	60			IO	BM	1940s
AZ32	FW	DH	4.0	2.00	500	120			IO	BM	1940s
CY1	HW	IH	20.0	0.20	250	75			Ct8	E	1940s
CY31	HW	IH	20.0	0.20	250	120			IO	BG	1940s
CY32	FW	IH	30.0	0.20	250	120			IO	BE	1940s
EZ2	FW	IH	6.3	0.40	350	60	1000		Ct8	BE	1938
EZ3	FW	IH	6.3	0.65	400	100	1100		Ct8	P	1938
EZ4	FW	IH	6.3	0.90	400	175	1120		Ct8	P	1938
EZ33	FW	IH	6.3	0.60	325	70			IO	BF	1940s
IVR120/350s	FW	IH	4.0	4.00	350	120			Ct8	P	1938
PV4 PV4s	FW	DH	4.0	2.00	500	120			B4 Ct8	E Y	1936
PV25	HW/VD	IH	25.0	0.30	250	120			B7	AE	1938
PV29 PV29s	HW/VD	IH	30.0	0.20	125	120			B7 Ct8	AE AW	1938 1938
PV30 PV30s	HW/VD	IH	30.0	0.20	275	60			B7 Ct8	AE AW	1937 1937
PV75/1000	FW	DH	2.2	4.00	1000	75			B4	E	1937
PV100/2000	FW	DH	4.0	2.20	2000	100			B4	E	1937
PV475	FW	DH	4.0	0.80	250	50			B4	E	1930
PV495	FW	DH	4.0	1.00	300	70			B4	E	1930
PV3018	FW	IH	30.0	0.18	250	100			C7	G	1934
PV4018	FW/VD	IH	40.0	0.18	125	100			C7	G	1933
PV4100	FW	DH	4.0	1.00	500	60			B4	E	1931
PV4200	FW	DH	4.0	2.00	500	120			B4	E	1931
PV4201	FW	DH	4.0	2.00	600	180			B4	E	1934
PVA6 PVA6s	FW	IH	6.3	0.25	350	60			B5 Ct8	C AN	1937 1937
PVB6 PVB6s	FW	IH	6.3	0.60	350	100			B5 Ct8	C AN	1937 1937
PVC6 PVC6s	FW	IH	6.3	0.90	350	175			B5 Ct8	C AN	1937 1937

Rectifiers

Type	Class	Cathode		V _a	DC I _o	PIV	DC V _o	Base		Year
		Volts	Amps	Max rms	mA	Volts	Volts	Type	Ref.	
TUNGSRAM cont.										
RG250/1000	FW/MV	DH	4.0	3.00	1000	250		B4	E	1937
RG250/2000	HW/MV	DH	2.5	5.00	2000	250		B4	D	1937
RG250/3000	HW/MV	DH	2.5	5.00	3000	250		US4	I	
RV120/350	FW	DH	4.0	2.00	350	120		B4	E	1938
RV120/350s								Ct8	Y	1938
RV120/500	FW	DH	4.0	2.00	500	120	1400	B4	E	1938
RV120/500s								Ct8	Y	1938
RV200/600	FW	DH	4.0	2.00	600	200		B4	E	1938
V20	HW	IH	20.0	0.20	250	80		B5	H	1937
V20s								Ct8	AM	1937
V20/7000	HW	DH	4.0	2.30	7000	20		B4	F	1936
V30	HW	IH	30.0	0.20	275	120		B5	H	1936
V430	HW	DH	4.0	0.30	200	25		B4	D	1930
V495	HW	DH	4.0	1.00	400	70		B4	D	1930
V2018	HW	IH	20.0	0.18	250	70		B5	D	1933
V2118	HW	IH	20.0	0.18	250	75		B5	D	1934
US										
0Z4	FW	Gas	—	—	300	75		IO	BI	1938
1-V	HW	IH	6.3	0.30	350	50		US4	E	1936
2X2	HW	IH	2.5	1.75	4500	7.5		US4	H	1940s
5T4G	FW	DH	5.0	3.00	450	250	1600	IO	BM	1938
5U4G	FW	DH	5.0	3.00	450	225		IO	BM	1938
5V4G	FW	IH	5.0	2.00	375	175		IO	BP	1937
5W4, 5W4GT/G	FW	DH	5.0	1.50	350	100		IO	BM	1936
5X4G	FW	DH	5.0	3.00	500	250		IO	BN	1937
5Y3G, 5Y3-GT	FW	DH	5.0	2.00	400	110	1200	IO	BM	1936
5Y4G	FW	DH	5.0	2.00	350	125		IO	BN	1937
5Z3	FW	DH	5.0	3.00	500	250		US4	C	1936
5Z4	FW	DH	5.0	2.00	400	125	1100	IO	BM	1936
6W5G	FW	IH	6.3	0.90	350	100		IO	BF	1938
6X5, 6X5-GT	FW	IH	6.3	0.60	350	75		IO	BF	1936
6Y5	FW	IH	6.3	0.80	350	50		US6	M	1937
6Z4	FW	IH	6.3	0.50	350	60		US5	E	1937
6Z5	FW	IH	6.3	0.80•	230	60		USM6	N	1937
6ZY5-G	FW	IH	6.3	0.30	325	40		IO	BF	1938
7Y4	FW	IH	6.3	0.50	350	60		B8B	A	1940s
12Z3	HW	IH	12.6	0.30	250	60		US4	E	1936
12Z5	FW	IH	6.3	0.60•	225	60		US7	K	1937
25Y5G	VD	IH	25.0	0.30	2 x 235	75		US6	I	1937
25Z4	HW	IH	25.0	0.30	250	100		IO	BG	
25Z5	VD	IH	25.0	0.30	2 x 235	75		USM6	I	1936
25Z6, 25Z6-GY	VD	IH	25.0	0.30	125	85		IO	BE	1936
34Z6-G	VD	IH	35.0	0.30	125	100		IO	BE	
35Z3	HW	IH	35.0	0.15	250	100		B8B	Z	1940s

Rectifiers

Type	Class	Cathode			Va	DC I _o	PIV	DC V _o	Base		Year
			Volts	Amps	Max rms	mA	Volts	Volts	Type	Ref.	
US cont.											
35Z4-GT	HW	IH	35.0	0.15	235	100			IO	BG	
35Z5-GT	HW	IH	35.0	0.15	235	100			IO	BC	
45Z5-GT	HW	IH	45.0	0.15	235	60			IO	BC	
50Y6-GT	HW	IH	50.0	0.15	2 x 117	75			IO	BE	
80	FW	DH	5.0	2.00	400	110			US4	C	1936
81	HW	DH	7.5	1.25	700	85			US4	D	1936
82	FW/MV	DH	2.5	3.00	500	125			US4	C	1936
83	FW/MV	DH	5.0	3.00	500	250			US4	C	1936
83-V	FW	IH	5.0	2.00	400	200			US4	Z	1936
84/6Z4	FW	IH	6.3	0.50	350	50			US5	E	1936
117Z6-GT	HW	IH	117.0	0.075	2 x 235	120			IO	BE	
816	HW/MV	DH	2.5	2.00	7000	125			US4	I	1940s

Tuning Indicators

Type	Heater		Anode		Target		-Vg1	Shadow Angle)	Base		Year
	Volts	Amps	Volts	mA	Volts	mA	max/min	(degs)	Type	Ref.	
BRI MAR											
6U5/6G5	6.3	0.30	250	0.24	250	4.0	22/0	0/90	USM6	AX	
COSSOR											
41ME	4.0	0.30	250		250		5/0		Ct8	I	1938
63ME	6.3	0.30			250	4.5	22/0		IO	AX	
64ME = EM34	6.3	0.20	250		250	0.75	16/5		IO	AZ	PW
DARIO											
TM14 = TV4 (Mullard)	4.0	0.30	250		250		5/0		Ct8	I	
EVER-READY											
A39A = TV4 (Mullard)									Ct8	I	1937
C39A = EM1 (Mullard)									Ct8	I	1937
FERRANTI											
FT4	4.0	0.50			200-250	0.5	20/0		IO	AX	
VFT4	4.0	0.50			200-250	0.5	6/0		IO	AX	
VFT6	6.3	0.30			200	4.5	22/0		IO	AX	
MARCONI-OSRAM											
A1320 = Y65									IO	AX	
TI 65	6.3								IO	AX	1936
Tuneon			165	1.4					SBC	—	1934
Y61 = Y63 (Tubular)									IO	AX	1939
Y62 = Y64 (Tubular)									IO	AX	1939
Y63 (for AC sets)	6.3	0.30	250	0.25	250	4.5	22		IO	AX	1937
Y64 (for AC/DC sets)	6.3	0.30	250	0.25	250	4.5	22	0/90	IO	AX	1938
Y65 = CV51	6.3	0.30	250	0.25	250	4.5	11		IO	AX	
Y73	6.0	0.16	180	0.25	180	4.5	21		IO	AX	1939
MAZDA											
ACME	4.0	0.50	250	0.24	250	1.50	22/0	0/90	B7	U	1937
ME41	4.0	0.50	250	0.23	250	1.16	22.5/0		MO	W	1939
ME91	9.0	0.20	175	0.16	175	2.70	19/0		MO	W	1938
ME920	9.0	0.20	200	0.18	200	2.6	19/0		B7	U	1937
MULLARD											
EFM1	6.3	0.20	250		250		20/1.5	3/70	Ct8	AK	1939
EM1	6.3	0.20	250	0.095	250	0.13	5/0	0/80	Ct8	I	1937
EM3	6.3	0.20	250	0.22	250	0.30	16/5	10/90	Ct8	I	1939
EM4	6.3	0.20	250	0.095	250	0.75	5.0/0	5/90	Ct8	V	1939
EM31	6.3	0.20	250				5/0		IO	AX	WW2
EM34	6.3	0.20	250		250	0.75	16/5	5/90	IO	AZ	1946
EM35	6.3	0.30	250		250		22/0		IO	AX	PW
TV4	4.0	0.30	250	0.095	250	0.13	5/0	10/90	Ct8	I	1936
TV4A	4.0	0.30	200	0.22	200	0.30	18/0	10/90	Ct8	I	1938
TV6 = EM1											1937

Tuning Indicators

Type	Heater		Anode		Target		-Vg1	Shadow Angle)	Base		Year
	Volts	Amps	Volts	mA	Volts	mA	min/max	(deg)	Type	Ref.	
TUNGSRAM											
EFM1	6.3	0.20	250	0.75	250	1.0	20/2	5/70	Ct8	AK	1939
EM1 = EM1 (Mul)									Ct8	I	1938
EM3 = EM3 (Mul)									Ct8	I	1939
EM4 = EM4 (Mul)									Ct8	V	1939
ME4s	4.0	0.30	250	0.1	250	2.0	5/0	0/90	Ct8	I	1937
ME6s	6.3	0.20	250	0.12	250	2.0	5/0	0/90	Ct8	I	1937
VME4 (Variable-mu)	4.0	0.50	250	0.1	250	1.5	18/0	0/90	B7	U	1937
US											
2E5 = 6E5	2.5	0.80							USM6	L	1937
2G5	2.5	0.80	250	0.24	250	4.0	8/0	0/90	USM6	L	1937
6AB5/6N5	6.3	0.15	135	0.13	135	1.9	15.5/0	0/90	USM6	L	
6AD6-G	6.3	0.15	75/-50	3/1.2	150	3.0	—	0/135	IO	CS	
6AF6-G	6.3	0.15	160/0		250	2.2	—	0/95	IO	CS	
6E5	6.3	0.30	250	0.2	250	2.0	7.5/0	0/90	USM6	L	1937
6G5 = 6U5									USM6	L	1937
6N5, 6AB5/6N5									USM6	L	1937
6U5/6G5	6.3	0.30	250	0.24	250	4.0	22/0	0/90	USM6	L	

Thyratrons

Type	Heater		Anode		Control Ratio	f_{max} kHz	Gas	Base		Year
	Volts	Amps	Peak Volts	Peak mA				Type	Ref.	
BTH										
BT1	2.0	5.00	1000	900			Mercury			
BT5	5.0	4.50	1000	12.5A			Mercury			
BT8	2.0	2.50	500	275			Mercury			
BT19	2.5	5.00	1000	2A			Mercury			
COSSOR										
GDT4	4.0	1.50	500	20	25-30		Mercury	B5	I	1935
GDT4B	4.0	1.75	350	100	45	100.0	Argon	B5	I	1937
GDT4C	4.0	1.75	350	200	40	10.0	Argon	B5	I	
EDISWAN										
HE/AC.1	4.0	1.20	150	150	20		Helium	B5	A	1935
MR/AC.1	4.0	1.20	150	150	20		Mercury	B5	A	1935
HIVAC										
GR1							Mercury			
GR2							Argon			
MARCONI-OSRAM										
GT1	4.0	1.30	1000	300	25-30		Mercury	B5	A	1931
GT1A	4.0	1.30	300	300	20		Argon	B5	A	1936
GT1B	4.0	1.35	120	500		10.0	Argon	B5	A	1936
GT1C	4.0	1.30	500	1000	28	8.0	Argon	B5	A	1937
GT1E	2.0	5.00	2000	5A			Mercury			
MAZDA										
T11	4.0	1.20	700	300			Mercury	B5	I	1936
T21	4.0	1.50	200	300			Argon	B5	I	1936
T31 (clear)	4.0	1.50	200	500	20		Helium	B5	I	1937
T32 (metallised)	4.0			500			Helium	B5	I	
T41	4.0	1.50	400	500	20		Helium	MO	R	1940
MULLARD										
EC50	6.3	1.30	1500	10.0 av.	35			Ct8	AQ	PW
EN31	6.3	1.30	1500	10.0 av.	35	150.0		IO	DR	
GT4A	4.0	1.20	300	300	20			B5	N	1936
GT4H	4.0	2.40	1500	10.0 av.	35		Helium	Ct8	AQ	1937
US										
2A4-G	2.5*	2.50	200	1250				IO	CI	

Barretters

Type	Current	Voltage	Base		Year
	Amps	Min-Max	Type	Ref	
DARIO					
T1	0.20		B4 Ct8	N H	
M-O					
161	0.16	100-180	ES	A	
171	0.17	100-200	ES	A	
202	0.20	120-200	ES	A	1936
251	0.25	100-180	B4	N	1934
301	0.30	138-221	ES	A	1934
302	0.30	112-95	ES	A	1934
303	0.30	86-129	ES	A	1934
304	0.30	95-165	ES	A	1935
305	0.30	40-90	ES	A	
306	0.30	40-90	IO	pins 2&7	
MULLARD					
CI C1C	0.20	90-120	Ct8 B4	H N	
C2 C2C	0.20	40-100	Ct8 B4	H N	
C9	0.20	85-200	Ct8	H	
PHILIPS					
1904	0.10	30-80	B4	N	
1933	0.10	60-170	B4	N	
1916	0.18	35-70	B4	N	
1926	0.18	8-26	B4	N	
1927	0.18	40-140	B4	N	
1928	0.18	90-230	B4	N	
C1 C1C	0.20	90-120	Ct8 B4	H N	

Type	Current	Voltage	Base		Year
	Amps	Min-Max	Type	Ref	
PHILIPS cont					
C2 C2C	0.20	40-100	Ct8 B4	H N	
C3	0.20	40-70	B4	N	1938
C4	0.20	35-100	Ct8	H	
C6	0.20	70-140	Ct8	H	
C7	0.20	35-100	Ct8	H	
C8	0.20	85-200	Ct8	H	
C9	0.20	35-100	Ct8	H	
C10	0.20	35-100	Ct8	H	
C12	0.20	35-100 80-200	Ct8	H	
C12s	0.20	25-120	Ct8	H	
1920	0.25	30-75	B4	N	
1934	0.25	80-180	B4	N	
1941	0.30	120-240	B4	N	
1949	0.30	30-90	B4	N	
TRIOTRON					
V60	0.10	40-80			1931
TUNGSRAM					
180R	0.18				1932
BR201 BR201s	0.20	90-230	B4 Ct8	N H	
BR202 BR202s	0.20	40-100	B4 Ct8	N H	
BR300e	3.00	7-18	ES	A	
BR300	0.30	90-130	ES	A	
BR1500	1.50		B4	N	

Bases & Connections

Abbreviations for base connections

Main symbols

a	anode
bp	beam plates
ce	control electrode
f	filament
g	grid
h	heater
ic	internal connection
k	cathode
M	metallising
m	internal conductive coating
p	priming electrode
r	resistance
s	internal shield
t	target
S	internal screen
ST	side terminal
TC	top cap

Subscript symbols

d	diode
r	rectifier
t	triode
tap	filament or heater tap
(+)	positive end of filament
(-)	negative end of filament

Similar electrodes operating on the same electron stream are numbered in order from the cathode, the numbers being appended as subscripts. Examples of this are g_1 , g_2 , g_3 , etc.

Similar electrode systems in multiple valves are distinguished by a single tick (') for the first electrode system, by a double tick (") for second electrode system, and so on. An examples of this is a double triode where the anodes and grids are shown as a' , g' , a'' and g'' .

Dissimilar electrode systems in multiple valves are distinguished by additional letter subscripts appended to the symbols for the less complex electrode structure.

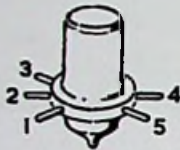
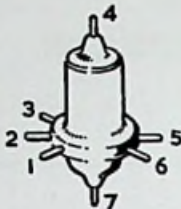
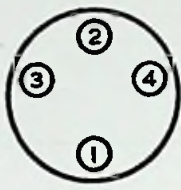
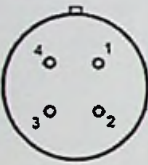
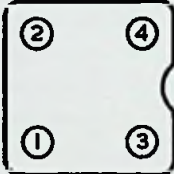
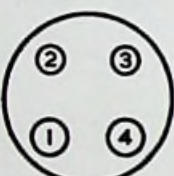
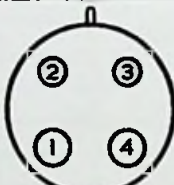
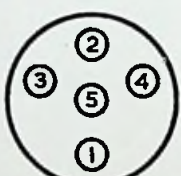
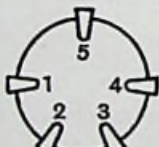
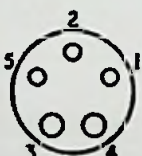
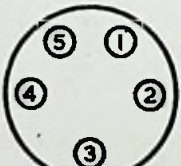
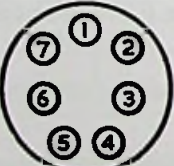
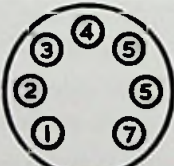
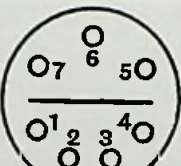
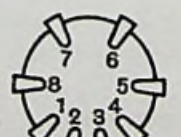
A number in a column indicates that the corresponding pin is connected internally to the pin of that number.

Where more than one electrode is connected internally to the same pin only the electrode of major importance is normally designated.

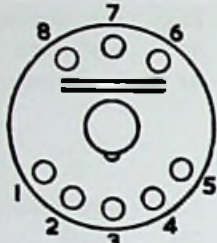
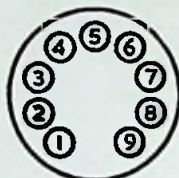
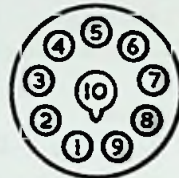
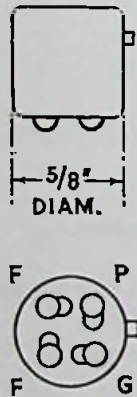
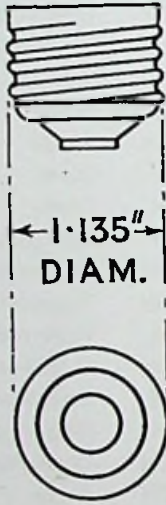
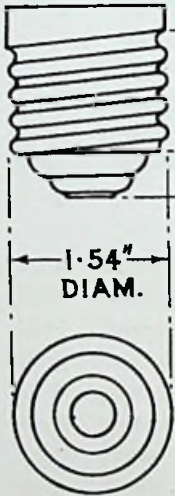
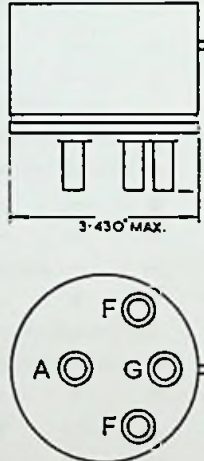
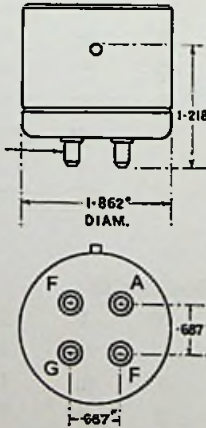
No distinction is normally made for valves with or without an external screen. Where the letter 'M' is shown the valve may or may not have such a screen.

Base diagrams

These are shown on pages 158 and 159 for most of the usually met types. Connections for the Loewe valves are shown on pages 171 and 172.

 1: Acorn 5AA	 2: Acorn 7AA	 3: B3G	 4: B4
 5: BC4	 6: Ct4	 7: L4	 8: SM4
 9: T4	 10: USS4 & USM4	 11: USM4b	 12: B5
 13: Cosmos C5	 14: Ct5	 15: Sm5	 16: USS5 & USM5
 17: USS6 & USM6	 18: B7	 19: B7G	 20: C7
 21: USS7 & USM7	 22: USM7b	 23: B8B	 24: Ct8

Valves bases (not to scale).

 25: IO & MO	 26: Y8A	 27: B9	 28: B9G
 29: Peanut	 30: ESM	 31: ESG	 32: USL4b
The Peanut base was used on STC 4215A	Edison Screw medium (ESM) & Edison Screw Goliath (ESG) were used on various rectifier valves for connections to the filament, with the anode connected to a top cap	 33: LB4	

Valves bases (not to scale) – continued

B3G (Diagram 3)

REF	TC ₁	TC ₂	1	2	3
A	a	—	h	k	h
B	a	g	h	k	h

TC₁ & TC₂ are pins coming through top of the valve

Cath	Description & examples
IH	VHF diode (Mullard EA50)
IH	VHF triode (EC53, red spot by anode)

B4 (Diagram 4)

REF	TC ₁	TC ₂	ST ₁	ST ₂	1	2	3	4	Cath.	Description & examples
A	—	—	—	—	a	g	f	f	DH	Triode
B	a	—	—	—	g ₂	g ₁	f	f	DH	Tetrode or pentode
C	g ₁	—	—	—	a	g ₂	f	f	DH	Tetrode
D	—	—	—	—	a	—	f	f	DH	Half-wave rectifier
E	—	—	—	—	a'	a''	f	f	DH	Double diode or full-wave rectifier
F	a	—	—	—	—	—	f	f	DH	High-voltage half-wave rectifier
G	g ₂	—	—	—	a	g ₁	f	f	DH	Tetrode
H	—	—	—	—	a	k	h	h	IH	Diode
I	g	—	—	—	a	—	f	f	DH	Triode
K	a	—	—	—	k	—	h	h	IH	Diode
L	a	—	—	—	—	k	h	h	IH	Diode
N	—	—	—	—	—	—	r	r	—	Barretter
P	—	—	—	—	a'	a''	h, k	h	IH	Full-wave rectifier
R	g	a	—	—	—	—	f	f	DH	Transmitting triode
S	a	—	—	—	—	—	h, k	h	IH	High-voltage half-wave rectifier
U	—	—	g ₂	—	a	g ₁	f	f	DH	Output pentode
V	h	h	—	—	a	g	k	k	IH	Early triode (Cossor M41 & M61 Series)
W	g ₁	—	g ₂	g ₃	a	a' _d	f	f	DH	Diode & pentode (Lissen AVC2)
X	—	—	a ₁	g ₂	a ₂	g ₁	f	f	DH	Double triode (Mazda TS215)
Y	—	—	k	—	a	g	f	f	DH	Triode
Z	—	—	g ₂	—	a	g ₁	f, g ₃	f	DH	Output pentode
AA	a'	a''	—	—	—	—	f	f	DH	Full-wave rectifier (Mullard RZ1-75)
AB	—	—	g ₁	—	a	g ₂	f	f	DH	Bi-grid
AC	k	—	—	—	a	—	f	f	DH	Absorber diode (MOV A800)
AD	g	—	—	—	a	k	h	h	IH	Triode
AE	a	—	—	—	f ₍₊₎	f ₍₋₎	f ₍₋₎	f ₍₊₎	DH	Half-wave rectifier (Mullard RG1-240)
AF	—	—	—	—	a	—	f ₍₋₎	f ₍₊₎	DH	Diode (VU33 – CV1033)
AG	—	—	—	—	a, g	—	—	—	—	—
					-ve output	+ve output	h	h	IH	Full-wave rectifier (Ostar-Ganz VG45). Has four, bridge-connected diodes.

BC4 (Diagram 5)

REF	TC	1	2	3	4	Cath.	Description & examples
A	—	g	f	f	a	DH	Power triode
B	a	g ₂	f	g ₁	f	DH	Power pentode
D	g	a	f	—	f	DH	Triode
E	a	—	h, k	—	h	IH	High-voltage half-wave rectifier

Ct4 (Diagram 6)

REF	TC	1	2	3	4	Cath.	Description & examples
A	—	a	g	f ₍₋₎	f ₍₊₎	DH	Triode (MOV H11 & L11)
B	g	a	k	h	h	IH	Triode (MOV A537 & A1178)

L4 (Diagram 7)

REF	TC	1	2	3	4
A	—	a	f	f	g
B	—	a''	f	a'	f
C	—	a	f	f	—
D	a	g ₂	f	f	g ₁

Cath.	Description & examples
DH	Power triode
DH	Full-wave rectifier
DH	Half-wave rectifier
DH	Pentode (ATS70)

Sm4 (Diagram 8)

REF	TC	ST	1	2	3	4
A	—	—	a	g	f	f
B	a	—	g ₂	g ₁	f	f
C	?	?	?	?	f	f

Cath.	Description & examples
DH	Triode (Hivac XH, XL, etc.)
DH	Tetrode (Hivac XW)
DH	Triple triode (Hivac XHH)

T4 (Diagram 9)

REF	TC	1	2	3	4	Shell
A	—	a	f	f	g	—
B	a	g ₁	f	g ₂	f	g ₃

Cath.	Description & examples
DH	Transmitting triode (Army AT20)
DH	Transmitting pentode (Army ATS20)

USS4, USM4 & USM4b (Diagrams 10 & 11)

REF	TC	1	2	3	4
A	—	f ₍₊₎	a	g	f ₍₋₎
B	g ₁	f ₍₊₎	a	g ₂	f ₍₋₎
C	—	f ₍₊₎	a'	a''	f ₍₋₎
D	—	f ₍₊₎	a	—	f ₍₋₎
E	—	h	a	k	h
F	—	f ₍₊₎	a	f ₍₋₎	g
G	—	g	f ₍₊₎	a	f ₍₋₎
H	a	h	—	—	h, k
I	a	f ₍₊₎	—	—	f ₍₋₎
N	a	f _{lap}	f	—	f
P	a	—	f	—	f
Q	a	f	1	4	f
R	a	f	f _{lap}	f	—
S	a	h, k	—	—	h
T	a	—	f	f	—
U	—	r	—	—	r
V	a	f	—	g	f
W	g	h	a	k	h
X	g	f	a	—	f
Y	—	h, k	a''	a'	k
Z	—	h	a'	a''	h, k

Cath.	Description & examples
DH	Triode
DH	Tetrode, pentode or output pentode
DH	Full-wave rectifier or double diode
DH	Half-wave rectifier
IH	Half-wave rectifier
DH	Triode
DH	Triode
IH	High-voltage half-wave rectifier
DH	High-voltage rectifier
DH	Diode
DH	Diode
DH	Diode
DH	Diode
IH	Diode
DH	Diode
—	Barretter
DH	Triode
IH	Power triode
DH	Diode
IH	Full-wave rectifier
IH	Full-wave rectifier

B5 (Diagram 12)

REF	TC	ST	1	2	3	4	5
A	—	—	a	g	h	h	k
B	a	—	g ₂	g ₁	h	h	k, g ₃
C	—	—	a'	a''	h	h	k
D	a'	—	a''	s	h	h	k, M
E	g	—	a	a' _d	f ₍₋₎	f ₍₊₎	a'' _d
F	—	—	a	g ₁	f _{(-), g₃}	f ₍₊₎	g ₂
G	g ₂	—	a	g ₁	h	h	k
H	—	—	a	—	h	h	k
I	a	—	—	g	h	h	k
K	a	—	g ₂	h	g ₁	h, k	g ₃
L	—	—	a	g ₂	f	f	g ₁
M	g ₁	—	a	g ₂	h	h	k
N	g	—	a	—	h	h	k, M
O	a	—	g ₂	g ₁	f	f	g ₃
P	—	—	a'''	k	a''	a'''	a'
Q	—	g ₂	a	g ₁	h	h	k, g ₃
R	a'	—	a''	M	h	h	k
S	a	g ₂	g ₁	h	h	k, g ₃	—
T	—	g ₁	a	g ₂	h	h	k
U	a'	a''	g'	g''	h	h	k
V	—	—	a''	k'	h	h	4

Cath.	Description & examples
IH	Triode
IH	Tetrode or pentode
IH	Double diode or full-wave rectifier
IH	Double diode
DH	Double diode triode
DH	Tetrode or output pentode
IH	Tetrode or output pentode
IH	Half-wave rectifier
IH	Thyratron (Mazda T11, T31, etc)
IH	Pentode
DH	Bi-grid (Tungsram DG210/1)
IH	Tetrode
IH	Triode (Mazda V312)
DH	Pentode
DH	Quad diode
IH	Output pentode
IH	Double diode
IH	Pentode
IH	Bi-grid
IH	Double triode
IH	Voltage doubler (Ostar-Ganz-NG40)

C5 (Diagram 13)

REF	1	2	3	4	5
A	a	g	k	h	h

Cath.	Description & examples
IH	Early triode (Cosmos AC/G & AC/R)

Ct5 (Diagram 14)

REF	TC	1	2	3	4	5
A	—	a'	h	h	k, M	a''
B	a''	M	h	h	k	a'

Cath.	Description & examples
IH	Double diode (Mullard 2D13A)
IH	Double diode (Mullard (2D13)

Sm5 (Diagram 15)

REF	TC	1	2	3	4	5
A	—	a	g ₁	f	f	g ₂
B	g ₁	a	g ₃	f	f	g ₂
C	g''	a''	g'	f	f	a'

Cath.	Description & examples
DH	Midget pentode (Hivac XY)
DH	Midget pentode (Hivac XW)
DH	Midget double triode

USS5 & USM5 (Diagram 16)

REF	TC	1	2	3	4	5
A	—	h	a	g	k	h
B	g ₁	h	a	g ₂	k	h
C	—	f ₍₊₎	a	g ₁	g ₂	f ₍₋₎
D	g ₁	f ₍₊₎	a	g ₂	g ₃	f ₍₋₎
E	—	h	a''	a'	k	h
F	a	h	g ₂	g ₁	k	h
G	—	f ₍₊₎	a	g ₁	—	f ₍₋₎
H	a	f ₍₊₎	g ₂	g ₁	g ₃	f ₍₋₎

Cath	Description & examples
IH	Triode
IH	Tetrode or pentode
DH	Output pentode
DH	Pentode
IH	Full-wave rectifier
IH	Output beam tetrode
DH	Triode
DH	Power pentode

USS6 & USM6 (Diagram 17)

REF	TC	1	2	3	4	5	6	Cath.	Description & examples
A	g ₄	f ₍₊₎	a	g ₂	g ₁	g _{3,5}	f ₍₋₎	DH	Heptode
B	g ₁	h	a	g ₂	g ₃	k	h	IH	Pentode
C	—	f ₍₊₎	a	a'' _d	a' _d	g	f ₍₋₎	DH	Double diode triode
D	g	h	a	a'' _d	a' _d	k	h	IH	Double diode triode
E	—	h	a''	a'	g'	k''	h	IH	Direct-coupled power amplifier
F	g'	h	a''	g''	k	a'	h	IH	Double output triode
G	—	f ₍₊₎	a''	g''	g'	a'	f ₍₋₎	DH	Double output triode
H	—	h	a	g ₂	g ₁	k, g ₃	h	IH	Output pentode
I	—	h	a''	k''	k'	a'	h	IH	2 x half-wave rectifiers
K	g ₁	f ₍₊₎	a	g ₂	a'' _d	a' _d	f ₍₋₎	DH	Double diode triode
L	—	h	a	g	t	k	h	IH	Tuning indicator (6E5)
M	—	h	ic	a''	k	a'	h	IH	Full-wave rectifier
N	—	h _{tap}	h	a''	k	a'	h	IH	Full-wave rectifier
P	—	h	a	—	k	a	h	IH	Half-wave rectifier
Q	—	r	—	—	—	—	r		Barretter

B7 (Diagram 18)

REF	TC	1	2	3	4	5	6	7	Cath.	Description & examples
A	g ₄	g ₂	g ₁	g _{3,5}	f	f	M	a	DH	Heptode
B	g ₄	g ₂	g ₁	g _{3,5}	h	h	M, k	a	IH	Heptode or octode
C	g ₁	a ₁	g ₁ g ₃	g _{2,4}	h	h	M, k	a	IH	Triode hexode
D	a	M	g ₁	g ₃	f	f	—	g ₂	DH	Pentode
E	a	M	g ₁	g ₃	h	h	k	g ₂	IH	RF pentode or output pentode
F	g ₁	M	a	g ₃	h	h	k	g ₂	IH	RF pentode or output pentode
G	g	a'' _d	M	a' _d	h	h	k	a	IH	Double diode triode
H	a	—	g ₁	g ₂	h	h	k	a _d	IH	Single diode tetrode
I	g	a'' _d	a	a' _d	h	h	k	g ₂	IH	Double diode output beam tetrode
K	—	g''	g'	a'	f	f	—	a''	DH	Double output triode
L	—	g''	g ₁ '	a'	f	f	g ₂	a''	DH	Double output pentode
M	—	h _{tap}	a''	k''	h	h	k'	a'	IH	Full-wave rectifier
N	g ₁	M	a	g ₃	f	f	—	g ₂	DH	RF pentode (Hivac VP215B)
Q	g ₁	—	—	g ₂	h	h	k	a	IH	Output pentode or beam tetrode
R	—	—	g	—	h	h	k	a	IH	Triode
S	—	—	g	a''	h	h	k	a'	IH	Split anode triode
T	g ₁	h _{tap}	—	g ₂	h	h	k	a	IH	Output tetrode
U	—	—	g	t	h	h	k	a	IH	Tuning indicator
V	—	a ₂	g ₁	g ₂	h	h	k	a ₁	IH	Split anode pentode (Cossor 41MTS)
W	—	M	a''	k''	h	h	k'	a'	IH	Double diode, separate cathodes
X	g ₁	a'' _d	k, g ₃	a' _d	h	h	a	g ₂	IH	Double diode output pentode
Y	g	M	—	—	h	h	k	a	IH	Triode
Z	—	—	g ₁	g ₂	h	h	k, g ₃	a	IH	Output pentode or beam tetrode
AA	—	g ₃	g ₁	g ₂	h	h	k	a	IH	Triple grid output pentode
AB	a	M	g ₁	—	h	h	k, g ₃	g ₂	IH	Pentode (Cossor 220IPT)
AC	a	a'' _d	g ₁	a' _d	h	h	k, g ₃	g ₂	IH	Double diode pentode (Cossor DD/Pen)
AD	g ₁	M	a	g ₃	f	f	g ₄	g ₂	DH	Hexode mixer
AE	—	—	a''	k''	h	h	k'	a'	IH	2 x half-wave rectifier
AF	g ₁	M	a	—	h	h	k	g ₂	IH	Tetrode (also unmetallised)

B7 continued

REF	TC	1	2	3	4	5	6	7	Cath.	Description & examples
AG	—	—	a'	f	f	f''	f''	a''	DH	Voltage doubler rectifier
AK	g ₁	a ₁	g ₁ , g ₃	g _{2,4}	f	f	M	a	DH	Triode hexode
AL	g ₁	g ₄	g ₃	g ₂	h	h	k	a	IH	Hexode
AM	a	—	g ₁	g ₂	h	h	k	—	IH	Output beam tetrode (Mazda AC/6Pen)
AN	a	—	g ₁	s	h	h	k	g ₂	IH	Output tetrode
AP	a ₂	M	g ₁	g ₂	h	h	k	a ₁	IH	Split anode pentode (Cossor 4TSA)
AQ	a	g ₁	—	g ₃	h	h	g ₂	k	IH	Pentode (ATP35)
AR	g ₁	h _{tap}	a	g ₃	h	h	k	g ₂	IH	RF pentode (Cossor 220VPT = ARP24)
AT	—	—	g', g''	a'	h	h	k	a''	IH	Double output triode (Brimar 16D1)
AV	—	a'	M	a''	h	h	k	—	IH	Double diode (Hivac AC/DD)
AW	a	—	g ₁	g ₂	h	h	k, M	a' _d	IH	Single diode tetrode (Mullard SD4)
AX	g ₁	M	a	k ₂	h	h	k ₁	g ₂	IH	Secondary emission valve (Mullard TSE4)
AY	g _p	—	g ₁	a ₁	h	h	k	g ₂	IH	Triode & pentode (Cossor 4TP)
AZ	a' (D)	g'' (B ₁)	g''' (B ₂)	a'' (B ₁)	f	f	g' (D)	a''' (B ₂)	DH	Driver triode (D) & Class B output triode (B ₁ , B ₂) – (Hivac DB240)
BA	a	M	g ₁	—	h	h	k, g ₃	g ₂	IH	Pentode (CV1333)
BB	—	—	g', g''	a'	h	h	k	a''	IH	Double output triode
BC	g ₁	—	g ₃	h	h	k	g ₂	g ₄	IH	Hexode (Cossor 4SH = VR126)
BD	a	M	g ₁	—	f, g ₃	f	—	g ₂	DH	Pentode (M-O W21)
BE	—	h _{tap}	g ₁	g ₂	h	h	k	a	IH	Output pentode (M-O N31)
BF	a	g ₁	g ₃	g ₂	f	f	—	—	DH	Pentode
BG	g ₁	M	a'	a''	h	h	k	g ₁	IH	Split anode tetrode (362 type MP4)
BH	g ₁	g ₃	—	g ₂	h	h	k	a	IH	Output pentode (M-O N34)

B7G (Diagram 19)

REF	1	2	3	4	5	6	7	Cath.	Description & examples
B	f ₍₋₎	a	g ₂	—	1 (g ₃)	g ₁	f ₍₊₎	DH	Pentode
C	f ₍₋₎	a	g _{2,4}	g ₁	1 (g ₅)	g ₃	f ₍₊₎	DH	Heptode
D	f ₍₋₎	a	g ₁	g ₂	1 (b _p)	2	f ₍₊₎	DH	Output beam tetrode
E	f ₍₋₎	—	a' _d	g ₂	a	g ₁	f ₍₊₎	DH	Single diode pentode
F	f ₍₋₎	a	g ₁	g ₂	f _{tap}	2	f ₍₊₎	DH	Output beam tetrode
Q	g ₁	k, g ₃	h	h	a	g ₂	k, g ₃	IH	UHF pentode (US 9003)
T	k'	a''	h	h	k''	s	a'	DH	Double diode
AU	a	k	h	h	a	g	k	IH	UHF triode (US 9002)

C7 (Diagram 20)

REF	TC	1	2	3	4	5	6	7	Cath.	Description & examples
A	g ₄	k	h	h	g _{3,5}	g ₁	g ₂	a	IH	Heptode
B	a	k	h	h	g ₂	g ₁	—	—	IH	Tetrode
C	g ₁	k	h	h	g ₂	g ₃	M	a	IH	Pentode
D	a'	k	h	h	S	—	—	a''	IH	Double diode
E	—	k	h	h	—	g ₁	—	a	IH	Triode
F	—	k	h	h	g ₂	g ₁	g ₃	a	IH	Pentode (multigrd)
G	—	k'	h	h	k''	a''	—	a'	IH	Rectifier
H	a	k	h	h	g ₂	g ₁	—	a'	IH	Diode tetrode
I	—	k	h	h	g ₂	g ₁	—	a	IH	Pentode
J	—	K, M	h	h	—	g	a _d	a	IH	Diode triode (Ostar-Ganz BA1 & BA5)

USS7 & USM7* (Diagrams 21 & 22)

REF	TC1	TC2	1	2	3	4	5	6	7	Cath.	Description & examples
A	g ₄	—	h	a	g _{3,5}	g ₂	g ₁	k	h	IH	Heptode
B	g ₁	—	h	a	g ₂	a'' _d	a' _d	k	h	IH	Double diode pentode
C	g ₁	—	h	a	g ₂	k _d	a _d	k	h	IH	Output pentode and rectifier
D	—	—	h	a''	a'	g'	g'', k'	k''	h	IH	Direct coupled double triode (2B6)
E	—	—	h	a''	g''	k	g'	a'	h	IH	Double output triode
F	—	—	h	a	g ₂	g ₁	g ₃	k	h	IH	Pentode
G	—	—	h	a	g ₂	g ₁	k	h _{lap}	h	IH	Output pentode
H	—	—	f	a'	g'	g ₂	g''	a''	f	DH	Double output pentode
I	g	—	f	a	—	a'' _d	a' _d	k	f	DH	Double diode triode
K	—	—	h	a''	k''	h _{lap}	k'	a'	h	IH	Double diode
L	g ₁	—	h	a	g ₂	g ₃	—	k	h	IH	Pentode
M	a' _d	a'' _d	h	—	g'	k	g''	—	h	IH	RF double triode
N	g ₁	—	h	a _p	g ₂	a _t	g _t	k	h	IH	Triode pentode
P	g	—	h	a	s	a'' _d	a' _d	k	h	IH	Double diode triode
Q	a	—	h	—	g ₂	g ₁	g ₃	k	h	IH	Pentode (STC 4061A)

*The USS7 has a 0.75-inch pin-circle diameter and the USM7 has a 0.855-inch pin-circle diameter

B8B (Diagram 23)

REF	1	2	3	4	5	6	7	8	Cath.	Description & examples
A	h	—	a''	—	—	a'	k	h	IH	Full-wave rectifier
B	h	a	g	7	a'' _d	a' _d	k	h	IH	Double diode triode
C	—	a	g ₂	g ₃	s	g ₁	k	h	IH	Pentode
H	h	a	a _t	g _t , g ₃	g _{2,4}	g ₁	k	h	IH	Triode heptode
I	h	a	g ₂	g ₁	g _{3,5}	g ₄	k	h	IH	Octode
K	h	a	g ₂	ic	ic	g ₁	k	h	IH	Output pentode or beam tetrode
L	h	k''	a''	—	s	a'	k'	h	IH	Double diode
M	h	a	g	ic	a'' _d	a' _d	k	h	IH	Double diode triode
N	h	a	a'' _d	a' _d	g ₂	g ₁	k	h	IH	Double diode pentode
P	h	k''	a''	g''	g'	a'	k	h	IH	Double triode
Q	h	a	—	—	ic	g	k	h	IH	Triode
W	h	k	a	g	a'' _d	a' _d	k _d , s	h	IH	Double diode triode
Y	h	—	—	a	—	—	k	h	IH	Diode
Z	h	a	—	—	—	—	k	h	IH	Half-wave rectifier
AB	f ₍₊₎	a	—	a _d	—	g	—	f ₍₋₎	DH	Single diode triode
AC	f ₍₊₎	a	g ₂	ic	—	g ₁	—	f ₍₋₎	DH	Output pentode
AD	f ₍₊₎	a	g ₂	g ₃	8	g ₁	—	f ₍₋₎	DH	Pentode
AE	f ₍₊₎	a	g ₂	g ₁	g _{3,5}	g ₄	—	f ₍₋₎	DH	Heptode
AG	f ₍₊₎	a	g ₂	a _d	—	g ₁	—	f ₍₋₎	DH	Single diode pentode
AH	f ₍₊₎	a	g ₂	—	—	g ₁	f _{lap}	f ₍₋₎	DH	Output beam tetrode
AK	f ₍₊₎	a''	g''	f _{lap}	—	g'	a'	f ₍₋₎	DH	Double triode

Ct8 (Diagram 24)

REF	TC	1	2	3	4	5	6	7	8	Cath.	Description & examples
A	g_1	M	h	h	k	a_1	g_1, g_3	$g_{3,4}$	a	IH	Triode heptode
B	g_4	M	h	h	k, g_6	g_2	g_1	$g_{3,5}$	a	IH	Octode (EK2, EK3)
C	g	M	h	h	k	—	—	—	a	IH	Triode
D	g_1	—	h	h	k	—	—	g_2	a	IH	Output pentode
E	—	—	h	h	k	—	—	—	a	IH	Half-wave rectifier (CY1)
F	—	k'	h	h	k''	a'	—	—	a''	IH	2 x half-wave rectifiers
G	g	M	h	h	k	a'_d	a''_d	—	a	IH	Double diode triode
H	—	—	—	—	—	r	—	—	r	—	Barretter
I	—	—	h	h	k	—	g	t	a	IH	Tuning indicator (EM1, EM3)
K	—	M	h	h	k'	a'	s	a''	k''	IH	Double diode
L	g_1	M	h	h	k	g_4	g_2	g_3	a	IH	Hexode
M	—	—	h	h	k, g_3	—	g_1	g_2	a	IH	Output pentode (EL3)
N	g_1	M	h	h	k, g_3	a'_d	a''_d	g_2	a	IH	Double diode pentode
P	—	—	h	h	k	a'	—	—	a''	IH	Double diode or full-wave rectifier
Q	g_1	M	h	h	k	g_3	—	g_2	a	IH	Pentode
R	g_1	M	h	h	k, g_5	g_3	g_4	g_2	a	IH	Hexode (EH2)
S	—	M	h	h	k	a'	—	a''	a'''	IH	Triple diode
T	—	M	h	h	k	t	g_1	g_2	a	IH	Pentode & tuning indicator (EFM1)
U	—	g'	h	h	k	a''	g''	g_2	a'	IH	Double output pentode
V	—	—	h	h	k	a'	g	t	a'	IH	Tuning indicator (EM4)
W	a	—	h	h	k	g_3	g_1	g_2	—	IH	Output pentode (EL50, EL51)
X	—	—	—	—	—	k	—	—	a	—	Cold cathode diode
Y	—	—	f	f	—	a'	—	—	a''	DH	Full-wave rectifier
Z	—	M	f	f	—	—	—	—	a	DH	Diode
AA	—	—	$f_{(-)}$	$f_{(-)}$	—	—	g_1	g_2	a	DH	Output pentode
AB	g_1	M	$f_{(-)}$	$f_{(-)}$	—	—	—	g_2	a	DH	Pentode
AC	—	—	f	f	—	a'	g''	g'	a''	DH	Double triode
AD	g	M	f	f	—	a'_d	a''_d	—	a	DH	Double diode triode
AE	g_1	M	f	f	—	g_3	—	g_2	a	DH	Pentode
AF	g_1	M	f	f	—	g_3	g_2, g_4	g_5	a	DH	Octode
AG	g_4	M	f	f	—	g_2	g_1	g_3, g_5	a	DH	Octode
AH	g	M	f	f	—	—	a_d	—	a	DH	Single diode triode (Mull. DAC1)
AI	g_1	—	h	h	k, g_3	—	—	g_2	a	IH	Output pentode (CL4, CL6, etc.)
AJ	g_1	M	h	h	k, g_5	a_1	g_1	$g_{2,4}$	a_h	IH	Triode hexode (Mullard 6153T)
AL	—	k'	h	h	k''	a'	—	—	a''	IH	Full-wave rectifier (CY2, UR2)
AM	—	—	h	h	k	—	—	—	a	IH	Half-wave rectifier (UR1)
AN	—	—	h	h	k	a'	—	—	a''	IH	Full-wave rectifier (AZ3)
AP	—	—	f	f	—	a'	—	—	a''	DH	Full-wave rectifier (AZ1, AZ2)
AQ	a	—	h	h	k	—	g	—	—	IH	Thyratron (EC50)
AS	—	—	g_1	g_2	h	h	k	—	a	IH	Pentode (Tungsram PP4018)
AT	g_1	—	h	h	M, k, g_3	a'_d	a''_d	g_2	a	IH	Double diode o/p pentode (CBL1)
AU	—	M	f	f	—	—	g	—	a	DH	Triode
AV	g_1	M	f	f	—	g_3	g_4	g_2	a	DH	Hexode
AW	—	k	h	h	k''	a	—	—	a''	IH	2 x half-wave rectifier
AX	a	g_2	h	h	k	g_1	g_1	a_1	—	IH	Triode & tetrode (Hivac AC/TZ)
AY	—	—	h	h	k	g_3	g_1	g_2	a	IH	Output pentode (multigrid)

IO (Diagram 25)

REF	TC	1	2	3	4	5	6	7	8	Cath.	Description & examples
A	g_4	M	h	a	$g_{3,5}$	g_1	g_2	h	k	IH	Heptode
B	g_1	M	h	a	$g_{2,4}$	g_3	—	h	k	IH	Heptode
C	g_1	M	h	a	$g_{2,4}$	g_1, g_3	a_1	h	k	IH	Triode hexode (also unmetallised)
D	g_3	M	h	a	$g_{2,4}$	g_1, g_1	a_1	h	k	IH	Triode hexode
E	g_1	M	h	h	a	g_2	a_1	g_1	k	IH	Triode and pentode
F	—	M, g_5	h	a	$g_{2,4}$	g_1	k	h	g_3	IH	Heptode
G	—	M	h	a	$g_{2,4}$	g_1	k	h	g_3	IH	Heptode
H	g_1	M	h	a	g_2	g_3	—	h	k	IH	Pentode (not all are metallised)
I	g_1	M	h	a	g_2	—	—	h	k	IH	Tetrode (not all are metallised)
K	—	M	h	g_3	g_1	k	g_2	h	a	IH	Pentode
L	—	g_3	h	M	g_1	k	g_2	h	a	IH	Output pentode
M	g_1	M	h	g_2	—	a	—	h	k	IH	Tetrode or pentode
N	g_1	k	h	—	a	—	—	h	g_2	IH	Tetrode or pentode
P	—	M	h	k	g_1	3	g_2	h	a	IH	Pentode
Q	g_1	M	h	a	a''_d	a'_d	g_2	h	k, g_3	IH	Double diode pentode
R	g_1	k	h	a	g_2	a_1	k_1	h	g_1	IH	Triode & r.f. pentode
S	g_1	k	h	a	g_2	g_1	a_1	h	a_d	IH	Single diode, triode & pentode
T	g	M	h	—	a	—	—	h	k	IH	Triode
U	g	M	h	a	—	—	—	h	k	IH	Triode
V	—	M	h	a	—	g	—	h	k	IH	Triode
W	—	M	h	g	—	a	—	h	h	IH	Triode
X	—	M	h	a''	g''	g'	a'	h	k	IH	Double triode
Y	—	M	h	a''	a'	g'	—	h	k	IH	Direct-coupled power amplifier
Z	—	—	h	a	g''	k''	g'	h	k'	IH	Double triode, separate cathodes
AA	—	M	g''	a''	g'	a'	k	h	h	IH	Double triode, common cathode
AB	—	g''	a''	k''	g'	a'	k'	h	h	IH	Double triode, separate cathodes
AC	—	g''	k''	a''	k'	g'	a'	h	h	IH	Double triode, separate cathodes
AD	g'	M	h	a'	k'	g''	a''	h	k''	IH	Double triode, separate cathodes
AE	g	M	h	a	a''_d	a'_d	—	h	k	IH	Double diode triode
AF	g	—	h	a	—	a_d	—	h	k	IH	Single diode triode
AG	—	M	g	k	a''_d	a'_d	a	h	h	IH	Double diode triode
AH	—	a''_d	k_d	a'_d	g	a	k	h	h	IH	Double diode triode
AI	—	g	a	k	a_d	a_r	k_r	h	h	IH	Diode, triode & rectifier
AK	g	a''_d	k	a_r	a'_d	k_r	a	h	h	IH	Diode, triode & rectifier
AL	—	M	h	a	—	g	—	h	k, h_{tap}	IH	Triode
AM	—	M	h	a	g_2	g_1	—	h	k	IH	Output beam tetrode
AN	—	k	—	a	—	g_2	h	g_1	h	IH	Power tetrode
AP	a	—	h	—	g_2	g_1	—	h	k	IH	Output pentode
AQ	a	—	h	k, g_3	—	g_1	—	h	g_2	IH	Pentode
AR	a	g_3	h	—	g_2	g_1	—	h	k	IH	Output pentode (EL31)
AT	—	g_1	h	a	g_2	g_1	a_1	h	k	IH	Triode and output pentode
AU	—	k_r	h	a	g_2	g_1	k	h	a_r	IH	Output tetrode and rectifier
AV	—	k_r	h	a	g_1	g_2	a_r	h	k	IH	Output tetrode & rectifier
AW	—	—	h	h	g_1	g_2	k	h, a_r	k_r	IH	Output tetrode & rectifier
AX	—	—	h	a	t	g	—	h	k	IH	Tuning indicator
AY	—	M	h	s	g_1	k	g_2	h	a	IH	Tetrode or pentode

IO continued

REF	TC	1	2	3	4	5	6	7	8	Cath.	Description & examples
AZ	—	—	h	a'	g	t	a"	h	k	IH	Tuning indicator (EM34)
BA	a	—	h	g ₃	g ₂	g ₁	—	h	k	IH	Pentode
BB	—	h	a	—	h _{tap}	—	—	k	h	IH	Triode
BC	—	—	h	h _{tap}	—	a	—	h	k	IH	Half-wave rectifier
BD	—	—	h	a"	k"	a'	h _{tap}	h	k'	IH	Double diode
BE	—	M	h	a"	k"	a'	—	h	k'	IH	Double diode or full-wave rectifier
BF	—	—	h	a"	—	a'	—	h	k	IH	Full wave rectifier
BG	—	ic	h	—	—	a	—	h	k	IH	Half-wave rectifier
BH	—	—	h	—	a	—	—	h	k	IH	Diode
BI	—	M	—	a"	—	a'	—	—	k	—	Full-wave rectifier (Cold cathode)
BK	a	ic	f	ic	—	ic	—	f	ic	DH	Diode
BL	—	—	f	—	a	—	—	—	f	DH	Diode
BM	—	—	f	—	a"	—	a'	—	f	DH	Full-wave rectifier
BN	—	—	—	a"	—	a'	—	f	f	IH	Full-wave rectifier
BP	—	—	h	—	a"	—	a'	—	h, k	IH	Full-wave rectifier
BQ	—	—	M	h	a"	k"	a'	—	h, k'	IH	Double diode
BR	g ₁	h	k	a	g ₅	g ₄	g ₃	g ₂	h	IH	Octode
BS	—	—	h	a	g ₂	g ₁ , g ₃	—	h	k	IH	Pentode
BT	g ₁	g ₂ , M	h	a	g ₃	g ₄	—	h	k	IH	Pentode with 4 th grid (EF38)
BU	g ₁	—	h	a	g ₂	a" _d	a' _d	h	k	IH	Double diode triode
BV	—	—	h	a	g ₂	g ₁	bp	h	k	IH	Beam tetrode
BW	—	—	h	a'	a"	g	—	h	k	IH	Split anode triode
BX	—	M	a"	g"	g'	a'	k	h	h	IH	Double triode
BY	—	M	g ₁	k	g ₂	a _d	a	h	h	IH	Diode & pentode
BZ	g ₁	k	h	a	g ₂	a _t	k _t	h	g _t	IH	Triode and pentode
CA	—	h _{tap}	h	a	g ₂	g ₁	—	h	k	IH	Output beam tetrode
CB	—	—	k	7	—	a	—	3	—	—	Cold cathode rectifier
CC	—	—	r	—	—	—	—	—	r	—	Barretter
CD	g ₄	M	f ₍₊₎	a	g _{3,5}	g ₁	g ₂	f ₍₋₎	—	DH	Heptode or octode
CE	g ₁	M	f ₍₊₎	a	g ₂	—	—	f ₍₋₎	—	DH	RF pentode
CF	—	—	f ₍₊₎	a	g ₂	g ₁	—	f ₍₋₎	—	DH	Output pentode
CG	g ₁	—	f ₍₊₎	a	a" _d	a' _d	g ₂	f ₍₋₎	—	DH	Double diode pentode
CH	—	—	f ₍₊₎	a	a" _d	a' _d	g	f ₍₋₎	—	DH	Double diode triode
CI	—	—	f ₍₊₎	a	—	g	—	f ₍₋₎	—	DH	Triode
CK	—	—	f ₍₊₎	a	g ₂	g ₁	bp	f ₍₋₎	—	DH	Beam tetrode
CL	—	—	f ₍₊₎	a	g ₂	g ₁	bp	f ₍₋₎	f _{tap}	DH	Beam tetrode
CM	—	—	f ₍₊₎	a	g ₂	g ₁	a _d	f ₍₋₎	—	DH	Diode & output pentode
CN	g ₁	M	f ₍₊₎	a	g ₂	g ₃	—	f ₍₋₎	—	DH	Pentode
CP	—	f _{tap}	f ₍₊₎	a	g ₂	g ₁	—	f ₍₋₎	—	DH	Output pentode
CQ	—	—	f ₍₊₎	a	g ₂	g ₁	—	f ₍₋₎	f _{tap}	DH	Output pentode
CR	g	M	f ₍₊₎	a	a" _d	a' _d	—	f ₍₋₎	—	DH	Double diode triode
CS	—	M	f ₍₊₎	g ₃	g ₁	—	g ₂	f ₍₋₎	a	DH	Pentode
CT	—	M	f ₍₊₎	a	g ₂	a _d	—	f ₍₋₎	g ₁	DH	Single diode pentode
CU	g	M	f ₍₊₎	a	—	a _d	—	f ₍₋₎	—	DH	Single diode triode
CV	g _t	—	f ₍₊₎	a _p	g _{2p}	g _{1p}	a _t	f ₍₋₎	a _d	DH	Diode, triode & output pentode
CW	g ₁	g ₃	f ₍₊₎	a	g ₂	g _t	a _t	f ₍₋₎	a _d	DH	Triode pentode

IO continued

REF	TC	1	2	3	4	5	6	7	8	Cath	Description & examples
CX	g ₁	f _{tap}	f ₍₊₎	a	g ₂	g ₁	a _t	f ₍₋₎	a _d	DH	Diode, triode & pentode
CY	—	—	f ₍₊₎	a"	g"	g'	a'	f ₍₋₎	f _{tap}	DH	Class B double triode
CZ	—	—	f ₍₊₎	a"	g"	g'	a'	f ₍₋₎	—	DH	Class B double triode
DA	—	—	f ₍₊₎	a"	g ₁ "	g ₁ '	a'	f ₍₋₎	g ₂	DH	Double output pentode (KLL32, 1E7G)
DB	g ₁	M	f ₍₊₎	a	g ₂	g ₁	a _t	f ₍₋₎	—	DH	Triode pentode
DC	—	k _r	h	a	g ₂	g ₁	a _r	h	k	IH	Output tetrode & rectifier
DF	a	—	h	—	—	—	—	h, k	s	IH	Diode
DG	a	—	h	—	—	—	—	—	h, k	IH	Diode
DH	—	g ₂	h	—	a	—	g ₁	h	k	IH	Pentode
DI	—	k _r	h	a	g ₂	g ₁	a _r	h	k	IH	Output beam tetrode & rectifier
DK	—	h _{tap}	h	—	—	a	—	h	k	IH	Diode
DL*	a & g	—	h	—	—	—	—	h	k	IH	Triode
DN	—	—	—	k	—	a	—	h	h	IH	Diode
DP	—	—	—	a'	—	a"	f	—	f	DH	Double diode
DQ	—	—	h	a	—	3	—	h	k	IH	Diode
DR	a	—	h	—	—	g	—	h	k	IH	Triode
DS	a	—	—	g ₃	g ₁	g ₂	—	h	k	IH	Pentode
DT*	a' & a"	h	g ₁ "	k, s	g ₂	h _{tap}	ic	g ₁ '	h	IH	Double r.f. pentode (Mul QQV04-20)
DX	—	—	h	a	—	g ₁	g ₂	h	k	IH	Tetrode or pentode
DY	a	ic	h, k	ic	ic	ic	ic	h	ic	IH	Diode
DZ	a	—	f	—	—	—	—	—	f	DH	Diode
EA	a	—	—	k	—	—	—	h	h	IH	Diode
EB	—	h	—	a	—	ic	—	k	h	IH	Diode
EC	a	—	—	—	g ₂	g ₁	—	—	k	IH	Tetrode or pentode
EE	a	f	1	—	g ₁	—	—	f	7	DH	Triode
EF	—	h	—	a	—	g ₁	g ₂	h	k	IH	Tetrode or pentode
EH	k	—	ic	ic	—	a	—	h	h	IH	Diode
EI	—	—	h	a'	—	a"	—	h	k	IH	Double diode
EK	—	—	h	a"	g"	g'	a'	h	k	IH	Double triode
EL*	a & g	—	h	—	—	—	—	h	k	IH	UHF triode, (615)
EM	—	—	h	k, g ₃	g ₁	k, g ₃	g ₂	h	a	IH	UHF pentode, (717A)
EN	—	f ₍₊₎	a	g ₂	—	—	g ₁	f _{tap}	f ₍₋₎	DH	Pentode or tetrode
EP	—	h	—	—	a	—	—	k	h	IH	Triode
EQ	a	—	h	bp	g ₁	g ₂	—	h	k	IH	Output beam tetrode
ER	—	f ₍₊₎	a'	g'	f _{tap}	—	g"	a"	f ₍₋₎	DH	Double triode
EF	g ₁	h	k	a	g ₅	g ₄	g ₃	g ₂	h	IH	All Stage Valve (Hivac A15)

*These three valves have two top caps

MO (Diagram 25)

REF	TC	1	2	3	4	5	6	7	8	Cath.	Description & examples
A	g_1	f	—	a	g_2	g_3	M	—	f	DH	Pentode
B	—	f	—	a	—	g	M	—	f	DH	Triode
C	—	$f_{(-)}$	—	a	g_2	g_1	—	—	$f_{(+)}$	DH	Output pentode
D	g_1	$f_{(-)}$	—	a	g_2	—	M	—	$f_{(+)}$	DH	Pentode
E	g_4	f	—	a	g_2	g_1	M	$g_{3,5}$	f	DH	Heptode
F	g	$f_{(-)}$	—	a	—	a_d	M	—	$f_{(+)}$	DH	Single diode triode
G	g	$f_{(-)}$	—	a	—	a''_d	M	a'_d	$f_{(+)}$	DH	Double diode triode
H	—	h, k	—	a''	—	a'	M	—	h	IH	Full-wave rectifier
I	—	$f_{(-)}$	—	a''	g_2	g_1''	g_1'	a'	$f_{(+)}$	DH	Double output pentode
K	g	h	k	a	—	a''_d	M	a'_d	h	IH	Double diode triode
L	g_1	h	k	a	g_2	g_3	M	—	h	IH	Pentode
M	g_1	h	k	a	a_t	g_t, g_3	M	$g_{2,4}$	h	IH	Triode hexode, triode heptode
N	—	h	k''	a''	s	a'	M	k'	h	IH	Double diode
P	a	h	k	—	g_2	g_1	—	—	h	IH	Line timebase beam tetrode
Q	g_1	h	k	a	g_2	a''_d	M	a'_d	h	IH	Double diode output tetrode or pentode
R	—	h	k	a	—	g	M	—	h	IH	Triode or thyatron (T41)
S	a	h, k	—	—	—	—	—	—	h	IH	EHT rectifier
T	—	h	—	k	—	a	M	—	h	IH	Half-wave rectifier
U	g	h	k	a	—	—	M	—	h	IH	Triode
V	—	h	k	a	g_2	g_1	M	—	h	IH	Output beam tetrode
W	—	h	k	a	—	g	—	t	h	IH	Tuning indicator
X	g_1	$f_{(-)}, g_3$	—	a	a_t	g_t	M	g_2	$f_{(+)}$	DH	Triode pentode
Y	g_1	$f_{(-)}$	—	a	a_t	g_t, g_3	M	g_2	$f_{(+)}$	DH	Triode pentode
AA	a	f	—	—	g_2	g_1	—	—	f	DH	Pentode (ATP4)

Y8A (Diagram 26)

REF	1	2	3	4	5	6	7	8	Cath.	Description & examples
A	a'	k'	k''	—	h	h	—	a''	IH	Double diode (EB11)
B	a	g_1	k	—	h	h	a'_d	a''_d	IH	Double diode triode (EBC11)
C	g_2	g_1	$g_{3,k}$	a	h	h	a'_d	a''_d	IH	Double diode pentode (EBF11)
D	$g_{2,4}$	g_1	k	a	h	h	g_{3,g_t}	a_t	IH	Triode hexode (ECH11)
E	a_t	g_1	k	a	h	h	g_2	g_1	IH	Triode & output pentode (ECL11)
F	a'	g'	k	—	h	h	g''	a''	IH	Double output triode (EDD11)
G	g_2	g_1	k, g_3	—	h	h	—	a	IH	RF pentode (EF11 & EF12)
H	g_2	g_1	k	—	h	h	g_3	a	IH	RF pentode (EF13)
I	g_1	k	sh	g_2	h	h	g_3	a	IH	RF pentode (EF14)
J	g_1	t	k, g_1	h	h	sh	a	g_2	IH	Pentode & tuning indicator (EFM11)
K	g_2	g_1	K, g_3	—	h	h	—	a	IH	Output pentode (EL11 & EF12)

B9 (Diagram 27)

REF	TC	1	2	3	4	5	6	7	8	9	Cath.	Description & examples
A	g_1	g_2	a	g_3	f	f	—	a_1	g_1	M	DH	Triode pentode
B	g_1	g_2	a	g_3	h	h	k	a_1	g_1	M	IH	Triode pentode
C	g_1	g_2	a	—	h	h	k	a'_d	a''_d	M	IH	Double diode triode
D	—	g_1'	a'	g_2'	f	f	—	g_2''	a''	g_1''	IH	Double output pentode
E	g	a'_d	a''_d	—	h	h	k	a	a'''_d	M	IH	Triple diode triode
G	a (P)	g (T2)	a (T2)	g_2 (P)	f	f	g (T1)	a (T1)	g_3 (P)	g_1 (P)	DH	Double triode (T1 & T2) and pentode (P) – (Hivac J240)
I	g_1	g_2	a	—	h	h	k	a'_d	a''_d	M	IH	Double diode pentode
J	—	g_1'	a'	g_2'	f	f	—	g_2''	a''	g_1''	DH	Double output pentode

B9G (Diagram 28)

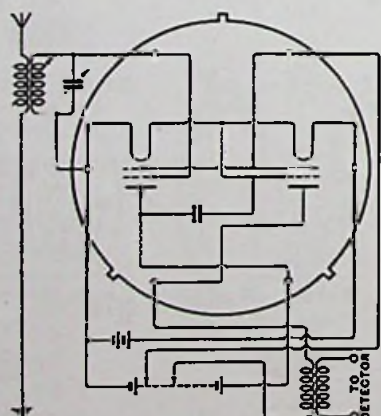
REF	TC	1	2	3	4	5	6	7	8	9	Cath.	Description & examples
A	—	h	g_2	a	g_3	s	k	g_1	5	h	IH	RF pentode (EF50)
B	—	h	a	g_2	k	4	g_1	4	4	h	IH	RF pentode (EF54)
C	—	h	h	g	k	a	—	—	—	h	IH	Triode (EC52)
D	a	h	—	g_1	—	g_2	k	g_3	—	h	IH	Pentode
E	—	h	g_1'	k	a'	g_2	a''	k	g_1''	h	IH	Double pentode
F	—	h	a	g_2	g_2	s, bp	k	g_1	5	h	IH	Beam power tetrode
I	—	g_2	a	—	h	h	k	a'_d	a''_d	M	IH	Double diode pentode
J	—	h	k_2	a	g_2	s	k_1	g_1	s	h	IH	Secondary emission (EE50)
K	—	h	g	g	a	a	g	g	k	h	IH	UHF triode (Mullard EC54)

Acorns (Diagrams 1 & 2)

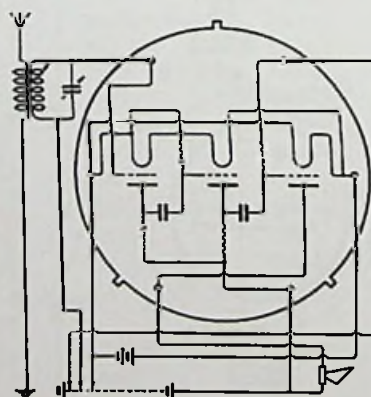
REF	1	2	3	4	5	6	7
5AA	h	k	h	g	a	No pins	
7AA	h	k	h	a	g_3	g_2	g_1

Cath.	Description & examples
IH	UHF triode (HA1 & HA2)
IH	UHF pentode (ZA1 & ZA2)

Loewe 2HF & 3NF

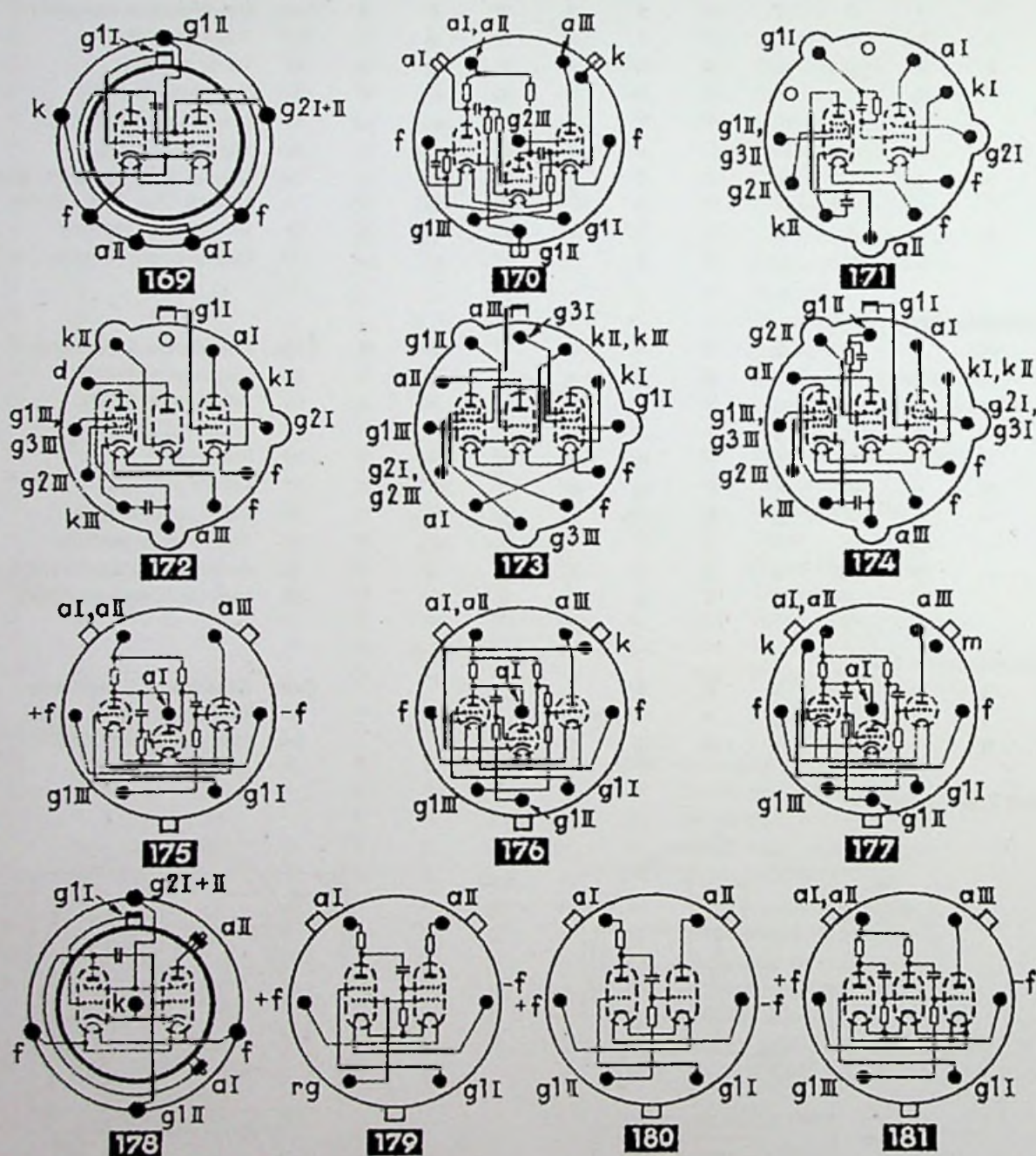


A: Loewe 2HF



B: Loewe 3NF

Loewe base connections



169 = MO44, 170 = WG33, 171 = WG34, 172 = WG35, 173 = WG36, 174 = WG37, 175 = 3NFB, 176 = 3NFK & 3NFW, 177 = 3NFL, 178 = 2HMD, 179 = 2HF, 180 = HF30, 181 = 3NF

Alphanumeric List of Valve Types

0.06 DE.	Fama	37	1H4G	US	112	2D4A	Mullard	68
00-A	US	112	1H5G	Cossor	19	2D4B	Mullard	68
01-A	US	112	1H5G, 1H5GT	US	112	2D13	Mullard	68
054V	Mullard	68	1H5G, 1H6GT	Brimar	7	2D13A	Mullard	68
072	Triotron	96	1H6G	US	112	2D13C	Mullard	68
084	Triotron	96	1J5G	US	113	2D41	Ekco	34
094	Triotron	96	1J6G, 1J6GT	US	113	2E5	US	154
0Z4	Brimar	141	1LA4	US	113	2G5	US	154
0Z4	US	151	1LA4E	Brimar	7	2HF	Loewe	47
1	ARA	6	1LA6	US	113	2HMD	Loewe	47
1A4E	Brimar	7	1LA6E	Brimar	7	2NF	Loewe	47
1A4E	Cossor	19	1LB4	US	113	2p	Brittania	13
1A4-P = 1D5	US	112	1LC6	US	113	2P	Cossor	19
1A4-T	US	112	1LD5	Brimar	7	2VDE.	CAC	15
1A5EG, 1A5G/GT	Brimar	7	1LH4	US	113	2VDE HF	Midland	67
1A5G, 1A5GT	US	112	1LH4	Brimar	7	2VDE LF	Midland	67
1A6	Brimar	7	1LN5	US	113	2X2	US	151
1A6	US	112	1LN5E	Brimar	7	2XP	Cossor	19
1A6E	Cossor	19	1N5EG	Brimar	7	3	ARA	6
1A7 (See Brimar)	Micromesh	141	1N5G	Cossor	19	3	PIX	82
1A7	Brimar	Z	1N5G, 1N5GT	US	113	3A/101-B	STC	91
1A7EG, 1A7G/GT	Brimar	7	1N5G, 1N5GT	Brimar	7	3A/102-B	STC	91
1A7G	Cossor	19	1N5VG	Cossor	19	3A/105-B	STC	91
1A7G, 1A7GT	US	112	1N6G	US	113	3A8GT	US	113
1A7VG	Cossor	19	1P5GT	US	113	3B/100-B	STC	91
1B4-P	US	112	1Q5G, 1Q5GT	Brimar	7	3B/101-B	STC	91
1B5/25S	US	112	1Q5GT	US	113	3B/200-B	STC	91
1C5EG	Brimar	7	1R4	US	113	3B7	US	113
1C5G	Cossor	19	1R5	Brimar	7	3D6	Brimar	7
1C5G, 1C5GT	US	112	1R5	US	113	3D6	US	113
1C5G, 1H5GT	Brimar	7	1S4	Brimar	7	3NF	Loewe	47
1C6	Brimar	7	1S4	US	113	3NFB = 3NF Bat	Loewe	47
1C6	US	112	1S5	Brimar	7	3NF Bat	Loewe	47
1C6E	Cossor	19	1S5	US	113	3NFK	Loewe	47
1C7G	US	112	1T4	Brimar	7	3NFL	Loewe	47
1D5 (See Brimar)	Micromesh	141	1T4	US	113	3NF Net	Loewe	47
1D5	Brimar	141	1T5GT	US	113	3NFW	Loewe	47
1D5GP	US	112	1-V	US	151	3Q4	US	113
1D6	Brimar	141	2	PIX	82	3Q5G, 3Q5GT	Brimar	7
1D7G	US	112	2A3	Brimar	7	3Q5GT	US	113
1D8GT	US	112	2A3	US	113	3S4	Brimar	7
1E4G	US	112	2A4-G	US	155	3S4	US	114
1E5G, 1E5GT	US	112	2A5	Brimar	7	4	PIX	82
1E7G	US	112	2A5	US	113	4/100 BU	Cossor	142
1F4	US	112	2A6	US	113	4A6G	US	114
1F5G	US	112	2A7, 2A7S	US	113	4D1	Brimar	7
1F6	US	112	2B6	US	113	4NG	Loewe	144
1F7G	US	112	2B7, 2B7S	US	113	4p	Brittania	13
1G4GT	US	112	2D2	Mullard	68	4SH	Cossor	19
1G5G	US	112	2D4	Mullard	68	4THA	Cossor	19
1G6GT	US	112				4TP	Cossor	19
						4TPB	Cossor	19
						4TSA	Cossor	19

4TSP	Cossor	19	6AE5GT	US	114	6F8G	US	115
4VBE	Lustrolux	49	6AE6G	US	114	6G5 = 6E5	US	154
4VDE.	CAC	15	6AE7GT	US	114	6G6G	US	115
4VDE HF	Midland	67	6AF5G	US	114	6G8G	US	115
4VDE LF	Midland	67	6AF6G	US	154	6H4GT	US	115
4V LS	Radion	85	6AG6G	Brimar	7	6H6	US	115
4XP	Cossor	19	6AG6G	US	114	6H6G	Cossor	20
5A/102-A, D	STC	91	6AG7	US	114	6H6G, 6H6GT	US	115
5A/105A	STC	91	6AL6G	US	114	6H6G, 6H6GT	Brimar	8
5B1	Micromesh	66	6AQ7GT	US	114	6J5	US	115
5E225	Ediswan	32	6AS7G	US	114	6J5G	Cossor	20
5E415	Ediswan	32	6B4G	Brimar	7	6J5G, 6J5GT	Brimar	8
5R4GY	Brimar	141	6B4G	Cossor	19	6J5G, 6J5GT	US	115
5T4	US	151	6B4G	US	114	6J7	US	115
5U4G	Brimar	141	6B5 = 6N6	US	114	6J7G	Cossor	20
5U4G	US	151	6B5	Brimar	8	6J7G, 6J7GT	US	115
5V.25B	Radion	85	6B6G	Brimar	8	6J7G, 6J7GT	Brimar	8
5V.25C	Radion	85	6B6G	US	114	6J8G	US	115
5V.25HB	Radion	85	6B7, 6B7E	Brimar	8	6K5G	Brimar	8
5V.25HC	Radion	85	6B7, 6B7S	US	115	6K5G	Cossor	20
5V4G	Brimar	141	6B7E	Cossor	19	6K5G, 6K5GT	US	115
5W4, 5W4G/GT	US	151	6B8, 6B8G	US	115	6K6G	Brimar	8
5X4G	Brimar	141	6B8EG	Brimar	8	6K6G	Cossor	20
5X4G	Cossor	142	6B8EG	Cossor	19	6K6GT	US	115
5X4G	US	151	6B8G, 6B8GT	Brimar	8	6K7	US	115
5Y3, 5Y3GT	US	151	6B8SG	Brimar	8	6K7EG	Brimar	8
5Y3G	Brimar	141	6BG6G	US	115	6K7G	Cossor	20
5Y4G	Brimar	141	6C5	US	115	6K7G, 6K7GT	Brimar	8
5Y4G	Cossor	142	6C5G	Brimar	8	6K7G, 6K7GT	US	115
5Y4G	US	151	6C5G, 6G5GT	US	115	6K8	US	115
5Z3	Cossor	142	6C6	Brimar	8	6K8G, 6K8GT	Brimar	8
5Z3	US	151	6C6	US	115	6K8G, 6K8GT	US	115
5Z4	US	151	6C7	US	115	6L5G	US	116
5Z4G	Brimar	141	6C8	Cossor	19	6L6, 6L6G	US	116
6	ARA	6	6C8G	US	115	6L6G	Brimar	8
6/100	Métal	66	6CD6G	Brimar	8	6L7, 6L7G	US	116
6/100F	Métal	66	6D5G	US	115	6L7G	Brimar	8
6A3	Brimar	7	6D6	Brimar	8	6M6G	US	116
6A3	Cossor	19	6D6	Cossor	19	6N6G	Brimar	8
6A3	US	114	6D6	US	115	6N6G	US	116
6A4/LA	US	114	6D7	US	115	6N7	US	116
6A5G	US	114	6D8G	US	115	6N7G, 6N7GT	Brimar	8
6A6	Brimar	7	6E5	US	154	6N7G	Cossor	20
6A6	US	114	6E6	US	115	6N7G, 6N7GT	US	116
6A7, 6A7E	Brimar	7	6E7	US	115	6p	Brittania	13
6A7, 6A7S	US	114	6F5, 6F5G	Brimar	8	6P5G, 6P5GT	US	116
6A7E	Cossor	19	6F5	US	115	6P7G	US	116
6A8, 6A8G	US	114	6F5G, 6F5GT	US	115	6P8	US	116
6A8EG	Cossor	19	6F6	US	115	6P8G	Brimar	9
6A8G, 6A8GT	Brimar	7	6F6G, 6F5GT	US	115	6Q6G	US	116
6A8GT	US	114	6F6EG	Brimar	8	6Q7	US	116
6AB5/6N5	US	154	6F6EG	Cossor	20	6Q7G, 6Q7GT	Brimar	9
6AB7	US	114	6F6G	Brimar	8	6Q7G	Cossor	20
6AC5G,	US	114	6F7, 6F7B, 6F7E	Brimar	8	6Q7G, 6Q7GT	US	116
6AC5GT	US	114	6F7, 6F7S	US	115	6R7	US	116
6AC7	US	114	6F7B	Cossor	20	6R7G	Brimar	9
6AD6G	US	154						
6AD7G	US	114						

6R7G	Cossor	20	7A7	US	117	9D2	Micromesh	66
6R7G, 6R7GT	US	116	7A7, 7A7E	Brimar	9	10	PIX	82
6S7, 6S7G	US	116	7A8	US	117	10	US	118
6SA7,	US	116	7A8, 7A8E	Brimar	9	10D1	Brimar	10
6SA7GT	US	116	7B4	US	117	10NG	Loewe	144
6SC7	US	116	7B5	US	117	11	PIX	82
6SD7GT	US	116	7B5E	Brimar	9	11A2	Brimar	10
6SE7GT	US	116	7B6	Brimar	9	11A2	Micromesh	66
6SF5, 6SF5GT	US	116	7B6	US	117	11D3	Brimar	10
6SF7, 6SF7GT	US	116	7B7	US	117	11D3	Micromesh	66
6SG7	Brimar	9	7B7, 7B7E	Brimar	9	11D5	Brimar	10
6SG7	US	116	7B8	US	117	12A	US	118
6SH7	Brimar	9	7B8, 7B8E	Brimar	9	12A5	US	118
6SH7	US	116	7C4	US	117	12A6	Brimar	10
6SJ7	Brimar	9	7C5	Brimar	9	12A6	US	118
6SJ7, 6SJ7GT	US	116	7C5	US	117	12A7	Brimar	10
6SK7	Brimar	9	7C6	Brimar	9	12A7	US	118
6SK7, 6SK7GT	US	116	7C6	US	117	12A8GT	US	118
6SL7GT	Brimar	9	7C7, 7C7E	Brimar	9	12AH7GT	US	118
6SL7GT	US	116	7C7	US	117	12B7	US	118
6SN7GT	Brimar	9	7D3	Brimar	9	12C8	US	118
6SN7GT	US	116	7D3	Micromesh	66	12C8GT	Brimar	10
6SQ7	Brimar	9	7D5	Brimar	9	12F5GT	US	118
6SQ7, 6SQ7GT	US	116	7D6	Brimar	9	12H6	US	118
6SR7	US	116	7D8	Brimar	9	12J5GT	US	118
6SS7	US	117	7E6	US	117	12J7GT	Brimar	10
6T7G	US	117	7F7	Brimar	9	12J7GT	US	118
6TH8	Tungsrarn	101	7F7	US	117	12K7GT	US	118
6U5, 6G5	Brimar	153	7G7/1232	US	117	12K8, 12K8GT	US	118
6U5, 6U5	US	154	7H7	Brimar	9	12K8GT	Brimar	10
6U6GT	US	117	7H7	US	117	12NG	Loewe	144
6U7G	Brimar	9	7J7	US	117	12Q7GT	Brimar	10
6U7G	US	117	7K7	Brimar	9	12Q7GT	US	118
6V6	US	117	7K7	US	117	12SA7	US	118
6V6G, 6V6GT	Brimar	9	7L7	US	117	12SA7GT	US	118
6V6G, 6V6GT	US	117	7N7	Brimar	9	12SC7	US	118
6V7G	US	117	7N7	US	118	12SF5	US	118
6W5G	US	151	7Q7	US	118	12SF5GT	US	118
6W7G	US	117	7R7	Brimar	10	12SG7	US	118
6X5, 6X5GT	US	151	7R7	US	118	12SH7	US	118
6X5G, 6X5GT	Brimar	141	7S7	Brimar	10	12SJ7	Brimar	10
6Y5	US	151	7Y4	Brimar	141	12SJ7	US	118
6Y6G	US	117	7Y4	US	151	12SJ7GT	US	118
6Z4	US	151	7Z4	Brimar	141	12SK7	Brimar	10
6Z5	US	151	8	ARA	6	12SK7,	US	118
6Z7G	US	117	8A1 (5&7pin)	Brimar	10	12SK7GT	US	118
6ZY5G	Brimar	141	8A1	Micromesh	66	12SL7GT	US	118
6ZY5G	Cossor	142	8D2	Brimar	10	12SN7GT	US	118
6ZY5G	US	151	8D2	Micromesh	66	12SQ7	Brimar	10
7A	ARA	6	8NG	Loewe	144	12SQ7	US	119
7A2	Brimar	9	9	ARA	6	12SQ7GT	US	119
7A2	Micromesh	66	9	PIX	82	12SR7	US	119
7A3	Brimar	9	9A1 (5&7 pin)	Brimar	10	12SR7GT	US	119
7A4	US	117	9A1	Micromesh	66	12Z3	US	151
7A5	US	117	9A3	Brimar	10	12Z5	US	151
7A6	US	117	9A3	Micromesh	66	13	ARA	6
			9D2	Brimar	10	13.DHA	Cossor	20

13.PGA	Cossor	20	25Z5	Cossor	142	41MP	Cossor	21
13.SPA	Cossor	20	25Z5	US	151	41MPG	Cossor	21
13.VPA	Cossor	20	25Z6. 25Z6-GY	US	151	41MPT	Cossor	21
14A7/1287	US	119	25Z6G	Brimar	141	41MRC	Cossor	21
14B6	US	119	26	US	119	41MSG	Cossor	21
14H7	US	119	27	Brimar	11	41MTA	Cossor	21
14R7	US	119	27	Cossor	20	41MTB	Cossor	21
14S7	US	119	27, 27S	US	119	41MTL	Cossor	21
15	ARA	6	30, 30E	Brimar	11	41MTS	Cossor	21
15	Cossor	20	30	Cossor	20	41MXP	Cossor	21
15	US	119	30	US	119	41STH	Cossor	21
15, 15E	Brimar	10	31	US	120	42, 42E	Brimar	11
15A2	Brimar	10	32	US	120	42	US	120
15A2	Micromesh	66	32E	Brimar	11	42E	Cossor	21
15D1	Brimar	10	32E	Cossor	20	42MP/Pen	Cossor	21
15D1	Micromesh	66	32L7GT	Brimar	11	42MPT	Cossor	21
15D2	Brimar	10	32L7GT	US	120	42.OT	Cossor	21
16	ARA	6	33	US	120	42.OT/DD	Cossor	21
16D1	Brimar	10	34	US	120	42PTB	Cossor	21
16NG	Loewe	144	34E	Brimar	11	42SPT	Cossor	21
17	ARA	6	34E	Cossor	20	43	US	120
18	US	119	34Z6G	US	151	43, 43E	Brimar	11
18, 18E	Brimar	10	35/51, 35S/51S	US	120	43E	Cossor	21
18E	Cossor	20	35L6GT	Brimar	111	43 IU	Cossor	142
19	Brimar	11	35L6GT	US	120	44.IU	Cossor	142
19	Cossor	20	35RE	Brimar	141	44.SU	Cossor	142
19	US	119	35RE	Cossor	142	45	Brimar	11
20	PIX	82	35Z3	US	151	45	Cossor	142
20	US	119	35Z4GT	Brimar	141	45	PIX	82
20A1	Brimar	11	35Z4GT	US	152	45	US	120
20D2	Brimar	11	35Z5GT	US	152	45.IU	Cossor	142
22	US	119	36	US	120	45Z5GT	US	152
24A, 24E	Brimar	11	36, 36E	Brimar	11	46	US	120
24A, 24S	US	119	36E	Cossor	20	47	US	120
24E	Cossor	20	37	Brimar	11	47, 47E	Brimar	11
25	PIX	82	37	Cossor	20	47E	Cossor	21
25A6	US	119	37	US	120	48	US	120
25A6G	Brimar	11	37	US	120	49	US	120
25A6G, 24A6GT	US	119	38	US	120	50	US	120
25A7G	Brimar	11	38E	Cossor	20	50A5	US	120
25A7G, 25A7GT	US	119	39/44	Brimar	11	50C6G	US	120
25AC5G, 25C5GT	US	119	39/44E	Brimar	11	50L6GT	Brimar	11
25B5	US	119	39/44E	Cossor	20	50L6GT	US	120
25B6G	US	119	39/44	US	120	50Y6GT	US	152
25B8GT	Brimar	11	40	PIX	82	51	US	120
25B8GT	US	119	40	US	120	53	US	120
25L6, 25L6GT	US	119	40/250	PIX	148	55, 55S = 85/S	US	120
25L6GT	Brimar	11	40PPA	Cossor	20	56, 56S	US	120
25N6G	US	119	40SUA	Cossor	142	57	US	120
25R3	Brimar	141	41	US	120	58	US	120
25RE	Cossor	142	41, 41E	Brimar	11	59	US	120
25SN7GT	US	119	41E	Cossor	20	60/250	PIX	156
25Y5	Brimar	141	41FP	Cossor	20	63ME	Cossor	153
25Y5	US	151	41MDG	Cossor	20	64XP	Cossor	21
25Z4	US	151	41ME	Cossor	153	64ME	Cossor	153
25Z4G	Brimar	141	41MH	Cossor	20	70L7GT	Brimar	11
25Z5	Brimar	141	41MHF	Cossor	21	70L7GT	US	120
			41MHL	Cossor	21	71A	Brimar	11
			41MLF	Cossor	21			

71A	US	121	202.DDT	Cossor	22	220.IPT	Cossor	23
75	Brimar	11	202.MPG	Cossor	22	220LF	Cossor	23
75	Cossor	21	202.SPB	Cossor	22	220.OT	Cossor	23
75, 75S	US	121	202.STH	Cossor	22	220P	Cossor	23
76	Brimar	11	202.VP	Cossor	22	220PA	Cossor	23
76	Cossor	21	202.VPB	Cossor	22	220PT (4&5pin)	Cossor	23
76	US	121	203.THA	Cossor	22	220RC	Cossor	23
77, 77E	Brimar	11	205 (GP)	Eagle	32	220SG	Cossor	23
77	US	121	206 HF	Lustrolux	49	220TH	Cossor	23
77E	Cossor	21	206 LF	Lustrolux	49	220VS	Cossor	24
78, 78E	Brimar	11	206.PT	Cossor	22	220VPT	Cossor	23
78	US	121	206d	Brittania	13	220VSG	Cossor	24
78E	Cossor	22	206h	Brittania	13	225DU	Cossor	142
79	Brimar	12	206l	Brittania	13	225PV	Lustrolux	49
79	Cossor	22	206rc	Brittania	13	230	PIX	82
79	US	121	207G	Frelat	40	230 (later 230 PT)	Cossor	24
80	Brimar	141	207RH	Frelat	40	230.HPT (4&5pin)	Cossor	24
80	Cossor	142	210	PIX	82	230P	Cossor	24
80	US	152	210 (SP)	Eagle	32	230Pen	Mazda	59
81	US	152	210D (Bk band)	Cossor	22	230PT (4&5pin)	Cossor	24
82	US	152	210DDT	Cossor	22	230XP	Cossor	24
83	Brimar	141	210Det	Cossor	22	234PV	Ensign	34
83	US	152	210Det & LF	Cossor	22	234HF	Lustrolux	49
83-V	US	152	210DG	Cossor	22	234LF	Lustrolux	49
84/6Z4	Brimar	141	210H (Red band)	Cossor	22	234P	Lustrolux	49
84	Cossor	142	210HF	Cossor	22	234P (Astra)	Lustrolux	49
84/6Z4	US	152	210HF	Lustrolux	49	234PV	Lustrolux	49
85	Brimar	12	210HF & Det	Voltron	111	240B	Cossor	24
85	Cossor	22	210HL	Cossor	22	240QP	Cossor	24
85	US	121	210LF	Cossor	22	244V	Mullard	68
89	US	121	210LF	Lustrolux	49	251	MOV	156
90/AC	PIX	82	210NP	Frelat	40	301	MOV	156
100/AC	PIX	82	210PG	Cossor	22	302	MOV	156
104AC	Triotron	96	210PGA	Cossor	22	302THA	Cossor	24
104V	Mullard	68	210RC	Cossor	23	303	MOV	156
108R	Tungsram	156	210RC	Lustrolux	49	304	MOV	156
112-A	US	121	210SG	Lustrolux	49	304AC	Triotron	96
116/Pen	Cossor	22	210SG	Lustrolux	49	305	MOV	156
117L7GT,	US	121	210SPG	Cossor	23	306	MOV	156
117M7GT	US	121	210SPT (4&7pin)	Cossor	23	306HF	Lustrolux	49
117N7GT	US	121	210VPA	Cossor	23	306LF	Lustrolux	49
117P7GT	Brimar	12	210VPT (4&7pin)	Cossor	23	312P, 312 PV	Lustrolux	49
117P7GT	US	121	212	Helikon	41	328	Philips	148
117Z6GT	US	152	212HF	Ensign	34	354V	Mullard	68
120	PIX	82	212HF	Lustrolux	49	367	Philips	148
120/350	PIX	156	212LF	Ensign	34	373	Philips	148
120/500	PIX	156	212LF	Lustrolux	49	402.OT	Cossor	24
124AC	Triotron	96	215d	Brittania	13	402P	Cossor	24
140	PIX	82	215h	Brittania	13	402Pen	Cossor	24
152V	Mullard	68	215l	Brittania	13	402Pen/A	Cossor	24
154V	Mullard	68	215P	Cossor	23	405BU	Cossor	142
161	MOV	156	215SG	Cossor	23	406	Helikon	41
164V	Mullard	68	215SG	Mazda	59	406 (GP)	Eagle	32
171	MOV	156	215SGM	PIX	82	406d	Brittania	13
183/483	US	121	216	Helikon	41	406h	Brittania	13
202	MOV	156	220	PIX	82	406/H	Power Tone	84
202 (Red Star)	Voltron	111	220 (GP)	Eagle	32	406HF	Ensign	34
202 (Green Star)	Voltron	111	220B	Cossor	23	406HF	Lustrolux	49
			220DD	Cossor	23	406HF	Radion	85
			220HPT (4&5pin)	Cossor	23	406l	Brittania	13
						406LF	Ensign	34

406LF	Lustrolux	49	615	US	121	2101	Brimar	12
406LF	Radion	85	615PT (4&5pin)	Cossor	25	2101	Cossor	25
406rc	Brittania	13	620T	Cossor	25	2101	US	122
407G	Frelat	40	624BU	Cossor	142	2102	Brimar	12
407NP	Frelat	40	625	Helikon	41	2102	Cossor	25
407RH	Frelat	40	625P	Cossor	25	2102	US	122
408	Helikon	41	625PV	Lustrolux	49	2103	Brimar	12
408BU	Cossor	142	634PV	Lustrolux	49	2103	Cossor	26
410H (Red band)	Cossor	24	660SU	Cossor	142	2103	US	122
410HF	Cossor	24	660T	Cossor	25	2151	Brimar	12
410HF	Lustrolux	49	680HF	Cossor	25	2151	Cossor	26
410HF & Det	Cossor	24	680P	Cossor	25	2151	US	122
410LF	Cossor	24	680SU	Cossor	142	4011-A, -B	STC	91
410P	Cossor	24	680XP	Cossor	25	4012-A	STC	91
410PT	Cossor	24	717A	US	121	4019-A, -B	STC	91
410RC	Cossor	24	807	Brimar	12	4020-A, -B, -C	STC	91
410RC	Lustrolux	49	807	US	121	4021-A, -B, -C	STC	91
410SG	Cossor	24	816	US	152	4022-AR, -B	STC	91
412BU	Cossor	142	825BU	Cossor	142	4033-A, -AA, -AF	STC	91
412P, 412PV	Lustrolux	49	841	US	121	4043-A, -C	STC	91
412PV	Ensign	34	842	US	121	4043-B, -D	STC	91
412SU	Cossor	142	864	US	121	4046-A	STC	92
415 (later 415 PT)	Cossor	24	904V	Mullard	68	4056-A, -	STC	92
415	Helikon	41	950	US	121	4057-A (Tunograph)	STC	—
415PT	Cossor	25	954	US	121	4061-A	STC	92
415XP	Cossor	25	955	US	121	4066-A	STC	92
418PV	Lustrolux	49	956	US	121	4074-A	STC	92
420	PIX	82	957	US	121	4097-A	STC	92
420 (GP)	Eagle	32	958	US	121	4101-D, -E, -G	STC	92
420 (SP)	Eagle	32	994V	Mullard	68	4102-D, -E, -G	STC	92
425Pen	Mazda	59	1002	Philips	148	4104-D, -E, -G	STC	92
425XP	Cossor	25	1110	Philips	148	4205-E	STC	92
430	Helikon	41	1203A	US	121	4211-D, -E	STC	92
434P, 434PV	Lustrolux	49	1291	US	121	4212-D, -E	STC	92
442BU	Cossor	142	1294	US	121	4215-A (Weco)	Brimar	12
450/AC	PIX	82	1299	US	121	4215-A (Weco)	STC	92
451	Philips	148	1560	Philips	148	4238-A, -D	STC	92
460.BU	Cossor	142	1561	Philips	148	4239-A	STC	92
470 BE	Lustrolux	49	1562	Philips	148	4242-A	STC	92
484V	Mullard	68	1619	Philips	148	4264-A	STC	92
485	US	121	1624	US	122	4275-A	STC	92
500	PIX	156	1626	US	122	4300-A	STC	92
505	Philips	148	1630	US	122	4307-A, -AF	STC	92
506	Philips	148	1801	Philips	148	4671	Mullard	68
506BU	Cossor	142	1807	Philips	148	4672	Mullard	68
506K	Philips	148	1815	Z Philips	148	6153T	Mullard	68
525	Lustrolux	49	1821	Philips	148	9002	US	122
525B	Lustrolux	49	1832	Philips	148	9003 = 956	US	122
534P, 534 PV	Lustrolux	49	1852	US	122	A1	Stal	90
600T	Cossor	25	1853	US	122	A2	Stal	90
606	Helikon	41	1861	Philips	148	A3	Stal	90
606P, 606PV	Lustrolux	49	1867	Philips	148	A11B	Ever Ready	143
610FP	Cossor	25	1881	Philips	148	A11C	Ever Ready	143
610HF	Cossor	25	1881A	Philips	148	A11D	Ever Ready	143
610HF & Det	Cossor	25	1920	Philips	156	A15 (All Stage)	Hivac	42
610LF	Cossor	25	1934	Philips	156	A20B	Ever Ready	36
610P	Cossor	25	1941	Philips	156	A23A	Ever Ready	36
610RC	Cossor	25	1949	Philips	156	A23B	Ever Ready	36
610SG	Cossor	25				A27D	Ever Ready	36
610XP	Cossor	25						
612BU	Cossor	142/						

A30B	Ever Ready	36	AC/DDHA	Radio Record	86	ACPX4a	362	93
A30D	Ever Ready	36	AC/DDT	Hivac	42	AC/Q	Hivac	42
A36A	Ever Ready	36	AC/DDTR	Radio Record	86	AC/Qa	Hivac	42
A36B	Ever Ready	36	AC/DX	Graham-Farish	41	AC/R	Cosmos	18
A36C	Ever Ready	36	AC/FC	Lissen	45	AC/S	Cosmos	18
A39A	Ever Ready	153	ACFC4	362	93	AC/S	Radio Record	86
A.40	Mazda	59	ACG	Clarion	16	AC/S1 VM	Mazda	59
A40M	Ever Ready	36	AC/G	Cosmos	18	AC/S2	Mazda	59
A.41	Mazda	59	ACH4	362	93	AC/S2 Pen	Mazda	59
A50A	Ever Ready	36	ACHF	Clarion	16	AC Screenodion	Dario	28
A50B	Ever Ready	36	AC/HFP	Radio Record	86	ACSG	Clarion	16
A50M	Ever Ready	36	AC/HG	Graham-Farish	41	AC/SG	Graham-Farish	41
A50N 5&7-pin)	Ever Ready	36	AC/HL	Cosmos	18	AC/SG	Lissen	45
A50P	Ever Ready	36	AC/HL	Hivac	42	AC/SG	Mazda	59
A70B (5&7pin)	Ever Ready	36	AC/HL	Lissen	45	ACSG4	362	93
A70C	Ever Ready	36	AC/HL (B5&C5)	Mazda	59	AC/SGV	Lissen	45
A70D (5&7pin)	Ever Ready	36	AC/HL	Radio Record	86	AC/SG VM	Mazda	59
A70E	Ever Ready	36	ACHL4	362	93	AC/SH	Hivac	42
A80A	Ever Ready	36	ACHL4dd	362	93	AC/SL	Hivac	42
A214	Triotron	96	AC/HLDD	Mazda	59	AC/SP	Lissen	45
A373	MOV	50	AC/HLDDD	Mazda	59	AC/SP1	Mazda	59
A420	Triotron	96	ACHM4	362	93	AC/SP3	Mazda	59
A430	Triotron	96	ACHP	Clarion	16	AC/SPV	Lissen	45
A430N	Triotron	96	AC/HP	Graham-Farish	41	AC Super Det	Dario	28
A440N	Triotron	96	AC/HP	Hivac	42	AC Super HF	Dario	28
A520	Ostar-Ganz	81	AC/HPB	Radio Record	86	AC Super Power	Dario	28
A537	MOV	50	ACL	Clarion	16	AC Super Screen.	Dario	28
A577	MOV	50	AC/L	Hivac	42	AC/TH1	Mazda	60
A800	MOV	50	ACL4	362	93	AC/TH1A	Mazda	60
A802	MOV	50	AC/LP	Graham-Farish	41	AC/TH4	Radio Record	86
A819	MOV	50	AC Mag Power	Dario	28	AC/TP	Mazda	60
A831 (CV1698)	MOV	145	AC/ME	Mazda	153	AC/TZ	Hivac	42
A901 (CV1722)	MOV	50	ACME4	362	93	AC/VG	Graham-Farish	41
A964	MOV	50	ACME4a	362	93	AC/VH	Hivac	42
A1178	MOV	50	ACME4b	362	93	AC/VHFP	Radio Record	86
A1320 = Y65	MOV	153	ACME4c	362	93	ACVHP	Clarion	16
A2030N	Triotron	96	ACNDH	Clarion	16	AC/VHPB	Radio Record	86
A2040N	Triotron	96	AC/NHL	Radio Record	86	AC/VP1	Mazda	60
AC 042	Mullard	68	AC/OC4	Radio Record	86	AC/VP2	Mazda	60
AC 044	Mullard	68	ACP	Clarion	16	AC VM Screen A	Dario	28
AC 054	Mullard	69	AC/P	Lissen	45	AC VM Screen B	Dario	28
AC 064	Mullard	69	AC/P	Mazda	59	AC/VP	Graham-Farish	41
AC 084	Mullard	69	AC/P	Radio Record	86	AC/VP	Hivac	42
AC 084N	Mullard	69	AC/P1	Cosmos	18	AC/VPb	Hivac	42
AC/2HL	Mazda	59	AC/P1	Mazda	59	ACVP4	362	93
AC/2Pen	Mazda	59	AC/P2	Cosmos	18	ACVS	Clarion	16
AC/2Pen DD	Mazda	59	ACP4	362	93	AC/VS	Hivac	42
AC/3Pen	Mazda	59	AC/P4	Mazda	59	AC/VS	Graham-Farish	41
AC/4Pen	Mazda	59	AC/Pen (5&7pin)	Mazda	59	AC/VS	Radio Record	86
AC/4P	PIX	82	AC Polyodion	Dario	28	ACVS4	362	93
AC4VM	PIX	82	ACPN	Clarion	16	AC/X	Cosmos	18
AC/5Pen	Mazda	59	ACPN4	362	93	AC/Y (CD)	Hivac	42
AC/5Pen DD	Mazda	59	ACPP	Clarion	16	AC/Y (Pentode)	Hivac	42
AC/6 Pen	Mazda	59	AC/PP	Graham-Farish	41	AC/YY	Hivac	42
AC 104	Mullard	69	AC/PT	Graham-Farish	41	AC/Z (CD)	Hivac	42
AC/AVC	Lissen	45	AC/PT (4&5pin)	Lissen	45	AC/Z (Pentode)	Hivac	42
ACD	Clarion	16	AC/PT	Radio Record	86	AC/ZDD	Hivac	42
AD4	Triotron	96	AC/PT4VB	Radio Record	86	ADG	Clarion	16
AC/DC4	Radio Record	86	AC/PTA	Radio Record	86	ADHF	Clarion	16
AC/DD (4&5pin)	Hivac	42	ACPX4	362	93	ADHP	Clarion	16
AC/DD	Mazda	59	AC/PX4	Radio Record	86	ADL	Clarion	16

ADPN	Clarion	16	AR4101	Tungsram	101	ATP4	Army	125
ADVHP	Clarion	16	AR4120	Tungsram	101	ATP5	Army	125
AF2	Tungsram	101	ARD2	Army	123	ATP7	Army	125
AG495	Tungsram	101	ARD4	Army	123	ATP10	Army	125
AG4100	Tungsram	101	ARDD1	Army	123	ATP35	Army	125
AL60	Mullard	69	ARDD3	Army	123	ATP75	Army	125
All Stage = A15	Hivac	42	ARDD5	Army	123	ATS25	Army	125
AMG 2/25	Amplion	5	ARH1	Army	123	ATS25A	Army	125
AMG 6/9	Amplion	5	ARP1	Army	123	ATS70	Army	125
AML 2/30	Amplion	5	ARP2	Army	123	AU1	Army	125
AML 6/25	Amplion	5	ARP3	Army	124	AU3	Army	125
Amplifier R	Fama	37	ARP4	Army	124	AU3A	Army	125
AMR 2/9	Amplion	5	ARP5	Army	124	AU4	Army	125
AMR 6/9	Amplion	5	ARP6	Army	124	AU5	Army	125
AMS 6/100	Amplion	5	ARP7	Army	124	AU6	Army	125
AN4	Triotron	96	ARP8	Army	124	AU8	Army	125
AP4	Mullard	69	ARP9	Army	124	AU12	Army	125
AP235	Aneloy	5	ARP9A	Army	124	AU13	Army	125
AP406	Aneloy	5	ARP10	Army	124	AVC2	Lissen	45
AP412 HF	Aneloy	5	ARP11	Army	124	AVL	Frelat	40
AP412 LF	Aneloy	5	ARP12	Army	124	AW5	Army	153
AP412 P	Aneloy	5	ARP12T	Army	124	AW6	Army	153
AP412 RC	Aneloy	5	ARP13	Army	124	AX50	Mullard	146
AP412 SG	Aneloy	5	ARP14	Army	124	AZ1	Mullard	146
AP425 P	Aneloy	5	ARP15	Army	124	AZ1	Tungsram	150
AP495	Tungsram	101	ARP16	Army	124	AZ2	Mullard	146
APP4A	Tungsram	101	ARP17	Army	124	AZ2	Tungsram	150
APP4B	Tungsram	101	ARP18	Army	124	AZ3	Mullard	146
APP4Bs	Tungsram	101	ARP19	Army	124	AZ4	Tungsram	150
APP4C	Tungsram	101	ARP20	Army	124	AZ31	Mullard	146
APP4Cs	Tungsram	101	ARP21	Army	124	AZ31/U143	MOV	145
APP4D	Tungsram	101	ARP22	Army	124	AZ31	Tungsram	150
APP4E	Tungsram	101	ARP23	Army	124	AZ32	Mullard	146
APP4E*	Tungsram	101	ARP24	Army	124	AZ32	Tungsram	150
APP4G	Tungsram	101	ARP25	Army	124	AZ50	Mullard	146
APP4G*	Tungsram	101	ARP26	Army	124			
APP4100	Tungsram	101	ARP33	Army	124	B	Ratraco	85
APP4120	Tungsram	101	ARP34	Army	124	B2	Lissen	45
APP4130	Tungsram	150	ARP35	Army	124	B2	Ostar-Ganz	81
APV4	Tungsram	150	ARP36	Army	124	B5H	BTH	14
APV4100	Tungsram	150	ARP37	Army	124	B8	BTH	14
APV4200	Tungsram	150	ARP38	Army	124	B11	BTH	14
AR4	Army	123	ARS6	Army	124	B12	BTH	14
AR5	Army	123	ARS7	Army	124	B21	BTH	14
AR6	Army	123	ARS8	Army	125	B21	MOV	50
AR7	Army	123	ARTH2	Army	125	B22	BTH	14
AR8	Army	123	ARTP1	Army	125	B22	Clarion	16
AR9	Army	123	ARTP2	Army	125	B23	BTH	14
AR10	Army	123	AS494	Tungsram	101	B24	Clarion	16
AR11	Army	123	AS495	Tungsram	101	B65	MOV	50
AR12	Army	123	AS4100	Tungsram	101	B210H	BTH	14
AR13	Army	123	AS4104	Tungsram	101	B210L	BTH	14
AR14	Army	123	AS4105	Tungsram	101	B215P	BTH	14
AR15	Army	123	AS4120	Tungsram	101	B220	Hivac	42
AR16	Army	123	AS4125	Tungsram	101	B230	Hivac	42
AR17	Army	123	Aston	Lustrolux	49	B430N	Triotron	96
AR20	Army	123	AT4	Mullard	69	B2030N	Triotron	96
AR21	Army	123	AT20	Army	125	BA1	Ostar-Ganz	81
A.R.23	Loewe	47	AT35	Army	125	BA2	362	93
AR495	Tungsram	101	AT75	Army	125	BA5	Ostar-Ganz	81
AR4100	Tungsram	101	AT200B	Army	125	BA9	Fotos	39

BC9	Fotos	39	C2	Mullard	156	CT.25	Cleartron	17
BB2A	Radio Record	86	C2	Philips	156	CT.25B	Cleartron	17
BB2B	Radio Record	86	C2C	Mullard	156	CT.25+	Cleartron	17
BB220A	Lissen	45	C2C	Philips	156	CT.199	Cleartron	17
BB240	Lissen	45	C3	Philips	156	CT.201A	Cleartron	17
BB240A	Lissen	45	C4	Philips	156	CT.210HF	Cleartron	17
BBC12	Dario	28	C6	Philips	156	CT.210LF	Cleartron	17
BC18	Fotos	39	C7	Philips	156	CT.215	Cleartron	17
BC40	Fotos	39	C8	Philips	156	CT.215H	Cleartron	17
BC150	Fotos	39	C9	Fotos	39	CT.215P	Cleartron	17
BD5	Fotos	39	C9	Mullard	156	CT.215SG	Cleartron	17
BD9	Fotos	39	C9	Philips	156	CT.410HF	Cleartron	17
BD100	Fotos	39	C10	Philips	156	CT.410LF	Cleartron	17
BE	Ratraco	85	C10B	Ever Ready	143	CT.610HF	Cleartron	17
BE (4V)	Aneloy	5	C12, C12a	Philips	156	CT.610LF	Cleartron	17
BE (6V)	Aneloy	5	C20C	Ever Ready	36	CWN4	Triotron	96
BE-6LF	CAC	15	C23B	Ever Ready	36	CY1	Mullard	146
BEHF	CAC	15	C27D	Ever Ready	36	CY1	Philips	148
BELF	CAC	15	C30B	Ever Ready	36	CY1	Tungsrām	150
BEHF	Quikko	84	C36A	Ever Ready	36	CY1C	Mullard	146
BELF	Quikko	84	C36B	Ever Ready	36	CY1C	Philips	148
BF100	Fotos	39	C36C	Ever Ready	36	CY2	Mullard	146
BG3	BTH	14	C36N	Ever Ready	36	CY2	Philips	148
BG4	MOV	50	C39A	Ever Ready	153	CY31	Mullard	146
BH12	Dario	28	C50B	Ever Ready	36	CY31	Tungsrām	150
Bi Volt	Radio Micro	84	C50N	Ever Ready	36	CY32	Mullard	147
BK22	Dario	28	C70D	Ever Ready	36	CY32	Tungsrām	150
BL62, BL63	MOV	50	C70E	Ever Ready	36			
BLL32	Dario	28	C80B	Ever Ready	36	D	Elka	34
BR201, BR201s	Tungsrām	156	CB215, CB215s	Tungsrām	101	D	Frelat	40
BR202	Tungsrām	156	CB220	Tungsrām	102	D1	Mazda	60
BR300	Tungsrām	156	CBL1	Mullard	69	D3-50B	ETA	143
BR300E	Tungsrām	156	CBL1	Tungsrām	102	D3-80B	ETA	143
BR1500	Tungsrām	156	CBL31	Mullard	69	D4	Ferranti	38
BS215	BTH	14	CBL31	Tungsrām	102	D5	Fotos	39
BT1	BTH	155	CCH35	Mullard	69	D5-125B	ETA	143
BT5	BTH	155	CCH35	Tungsrām	102	D.8	MOV	50
BT8	BTH	155	CL4	Mullard	69	D9	Fotos	39
BT19	BTH	155	CL4	Tungsrām	102	D15	Fotos	39
BTS215	BTH	14	CL6	Mullard	69	D40	Fotos	39
BTS215	Ediswan	32	CL6	Tungsrām	102	D41	MOV	50
BU6	Cossor	142	CL62	Métal	66	D42	MOV	50
BW303	ETA	34	CL33	Mullard	69	D43	MOV	50
BW602	ETA	34	CL33	Tungsrām	102	D63	MOV	50
BW1304	ETA	34	CL104	Métal	66	D100	Fotos	39
BX2	362	93	CL152	Métal	66	D130	Ostar-Ganz	81
BX604	ETA	34	CL202	Métal	66	D210	Hivac	42
BY3 (4&5-pin)	ETA	34	CLP	362	94	D210SW	Hivac	42
BY6	ETA	34	CME	362	94	D200	Triotron	96
BY1210	ETA	34	CR1	Ediswan	143	D210	Triotron	96
BY1814	ETA	34	CR2	Ediswan	143	D400	Triotron	96
BY1815	ETA	34	CR2	Mazda	146	D418	Tungsrām	102
BY2010	ETA	35	CT.2	Cleartron	17	D410	Triotron	96
BY2020	ETA	35	CT.4.S-S-D	Cleartron	17	D410N	Triotron	96
BY2023	ETA	35	CT.6.S-S-D	Cleartron	17	D1300	Triotron	96
			CT.08	Cleartron	17	DA	Ferranti	38
			CT.08+	Cleartron	17	DA30	MOV	50
C	Elka	34	CT.10	Cleartron	17	DA41	MOV	50
CI	Mullard	156	CT.10+	Cleartron	17	DA60	MOV	50
CI	Philips	156	CT.15	Cleartron	17	DA100	MOV	50
C1C	Mullard	156	CT.15+	Cleartron	17	DA250	MOV	50
C1C	Philips	156						

DAC1	Tungsram	102	DDT13, DDT13s	Tungsram	102	DF32	Mullard	70
DA1	Mullard	69	DDT16	Cossor	26	DF33	Mullard	70
DA2	Mullard	69	DDT215	Hivac	43	DF51	Mullard	70
DA3	Mullard	69	DDT220	Hivac	43	DFA0	Mullard	70
DAC1	Mullard	69	DDTR2	Radio Record	86	DFA1	Mullard	70
DAC31	Mullard	69	DDTR/13	Radio Record	86	DFA2	Mullard	70
DAC32	Mullard	69	DDTR/13L	Radio Record	86	DFA3	Mullard	70
DAS1	Mullard	69	DE	Aneloy	5	DFA4	Mullard	70
DB	362	94	DE	Elka	34	DFA6	Mullard	70
DB1	Mullard	69	DE 06	Aneloy	5	DFA7	Mullard	70
DB3	Mullard	69	DE 06	Beam	6	DFA8	Mullard	70
DB240	Hivac	42	DE 06	Radio Micro	84	DFA9	Mullard	70K
DBC31	Mullard	69	DE 06 (1.8-2V)	Tela-Radio	93	DG2	MOV	51
DBS1	Mullard	70	DE 06 (3V)	Tela-Radio	93	DG210	Tungsram	102
DC/2HL DD	Mazda	60	DE 06HF	CAC	15	DG210/0	Tungsram	102
DC/2P	Mazda	60	DE 06HF	Radion	85	DG407	Tungsram	102
DC/2 Pen (5&7pin)	Mazda	60	DE 06LF	CAC	15	DG407/0	Tungsram	103
DC/2SG	Mazda	60	DE 06LF	Radion	85	DG2018	Tungsram	103
DC/2SG VM	Mazda	60	DE 0.34 (1.8-2V)	Tela-Radio	93	DG4100	Tungsram	103
DC/3 HL	Mazda	60	DE2	Beam	6	DG4001	Tungsram	103
DC51	Mullard	70	DE2	CAC	15	DH	MOV	51
DC/HL	Mazda	60	DE2 HF	CAC	15	DH30	MOV	51
DC/P	Mazda	60	DE2 HF	Quikko	84	DH42	MOV	51
DC/Pen	Mazda	60	DE2 LF	CAC	15	DH63	MOV	51
DC Polyodion	Dario	28	DE2 LF	Quikko	84	DH63M	MOV	51
DC Screenodion	Dario	28	DE Power	Fama	37	DH73	MOV	51
DC/SG	Mazda	60	DE2V	Radio Micro	84	DH73M	MOV	51
DC Super Det	Dario	28	DE3	Tela-Radio	93	DH74	MOV	51
DC Super Power	Dario	28	DE3 HF	CAC	15	DH76	MOV	51
DD4	Cossor	26	DE3 LF	CAC	15	DHD	MOV	51
DD4, DD4s	Tungsram	102	DE4	Aneloy	5	DHL	Cossor	26
DD4D	Tungsram	102	DE4	Tela-Radio	93	DK32	Mullard	70
DD6, DD6s	Tungsram	102	DE4V	Radio Micro	84	DKP	Elka	34
DD13	Clarion	16	DE25 HF	Quikko	84	DKP	Frelat	40
DD13, DD13s	Tungsram	102	DE25 LF	Quikko	84	DL	MOV	51
DD41	Mazda	60	DE34	Aneloy	5	DL1	Mullard	70
DD51	Mullard	70	DE34	Radion	85	DL2	Mullard	70
DD101	Mazda	60	DE34 HF	Radion	85	DL2	Radio Record	86
DD207	Mazda	60B	DE34LF	Radion	85	DL31	Mullard	70
DD465	Tungsram	102	DE50	Cosmos	18	DL33	Mullard	70
DD818	Tungsram	102	DE55	Benjamin	6	DL35	Mullard	70
DDA/13	Radio Record	86	DE55	Cosmos	18	DL51	Mullard	70
DDA/13L	Radio Record	86	DEH.210	MOV	50	DL63	MOV	51
DDL4	Cossor	26	DEH.410	MOV	50	DL74M	MOV	51
DD/Pen	Cossor	26	DEH.610	MOV	50	DN41	MOV	51
DDPP4B	Tungsram	102	DEH.612	MOV	51	DO 10	Mullard	70
DDPP4Bs	Tungsram	102	DEL.210	MOV	51	DO 20	Mullard	71
DDPP4M	Tungsram	102	DEL.410	MOV	51	DO 24	Mullard	71
DDPP6B	Tungsram	102	DEL.610	MOV	51	DO 25	Mullard	71
DDPP39	Tungsram	102	DEL.612	MOV	51	DO 26	Mullard	71
DDPP39M	Tungsram	102	DEP.	Frelat	40	DO 30	Mullard	71
DDT	Cossor	26	DEP.215	MOV	51	DO 42	Ekco	34
DDT2	Tungsram	102	DEP.240	MOV	51	DO 60	Mullard	71
DDT2A	Tungsram	102	DEP.410	MOV	51	DO 75	Mullard	71
DDT2B	Tungsram	102	DEP.610	MOV	51	DP	Cossor	26
DDT2Bs	Tungsram	102	Det	Dario	28	DP425	Mullard	71
DDT4	Clarion	16	DET (3.5-4V)	Tela-Radio	93	DP495	Triotron	96
DDT4, DDT4s	Tungsram	102	Detector	Dario	28	DP4480	Triotron	96
DDT6s	Tungsram	102	Detector	Fama	37	DP/Pen (5&7 pin)	Cossor	26
DDT13	Clarion	16	DF1	Mullard	70	DPT	MOV	51
DDT13	Hivac	42	DF31	Mullard	70	DS	Ferranti	38

DS	MOV	51	EAB1	Tungsrarn	103	EF54	Mullard	72
DS4100	Tungsrarn	103	EB4	Mullard	71	EF55	Mullard	72
DSB	MOV	51	EB4	Tungsrarn	103	EFM1	Mullard	72
DSP1	MOV	51	EB11	Tungsrarn	103	EG50	Ostar-Ganz	148
DS/Pen	Cossor	26	EB34	Mullard	71	EG100	Ostar-Ganz	148
DT41	Ekco	34	EB34	Tungsrarn	103	EH2	Mullard	73
DT215	Triotron	96	EB91	Mullard	71	EH2	Tungsrarn	104
DT436	Triotron	96	EBC3	Mullard	71	EK2	Mullard	73
DT1336	Triotron	96	EBC3	Tungsrarn	103	EK2	Tungsrarn	104
DTU1	Ekco	34	EBC33	Mullard	71	EK3	Tungsrarn	104
DU1	Mullard	147	EBC33	Tungsrarn	103	EK3	Mullard	73
DU2	Mullard	147	EBF2	Mullard	71	EK32	Mullard	73
DU3	Mullard	147	EBF2	Tungsrarn	103	EL2	Mullard	73
DU4	Mullard	147	EBF11	Tungsrarn	103	EL2	Tungsrarn	104
DU5	Mullard	147	EBF32	Mullard	71	EL3	Mullard	73
DU10	Mullard	147	EBL1	Mullard	71	EL3	Tungsrarn	104
DU15	Mullard	147	EBL1	Tungsrarn	103	EL5	Mullard	73
DVSG	Cossor	26	EBL31	Mullard	71	EL5	Tungsrarn	104
DVS/Pen	Cossor	26	EBL31	Tungsrarn	103	EL6	Mullard	73
DW1	Mullard	147	EC31	Mullard	71	EL6	Tungsrarn	104
DW2	ETA	35	EC50	Mullard	155	EL31	Mullard	73
DW2	Mullard	147	EC52	Mullard	71	EL32	Mullard	73
DW2X	Mullard	147	EC53	Mullard	71	EL33	Mullard	73
DW3 (4&5-pin)	ETA	35	EC54	Mullard	71	EL33	Tungsrarn	104
DW3	Mullard	147	ECC31	Mullard	71	EL35	Mullard	73
DW4	Mullard	147	ECC32	Mullard	72	EL36	Mullard	73
DW4-350	Mullard	147	ECC33	Mullard	72	EL37	Mullard	73
DW4-500	Mullard	147	ECC34	Mullard	72	EL38, EL38M	Mullard	73
DW5	Mullard	147	ECC35	Mullard	72	EL50	Mullard	73
DW6	ETA	35	ECH2	Mullard	72	EL51	Mullard	73
DW6	Mullard	147	ECH2	Tungsrarn	103	ELL1	Tungsrarn	104
DW7	ETA	35	ECH3	Mullard	72	EM1	Mullard	153
DW7	Mullard	147	ECH3	Tungsrarn	103	EM1	Tungsrarn	154
DW7X	Mullard	147	ECH11	Tungsrarn	103	EM3	Mullard	153
DW8	ETA	35	ECL11	Tungsrarn	103	EM3	Tungsrarn	154
DW8	Mullard	147	EFM1	Tungsrarn	154	EM4	Mullard	153
DW9	ETA	35	EFM11	Tungsrarn	154	EM4	Tungsrarn	154
DW15	Mullard	147	ECH33	Mullard	72	EM31	Mullard	153
DW30	Mullard	147	ECH33	Tungsrarn	103	EM34	Mullard	153
DW302	ETA	35	ECH35	Mullard	72	EN31	Mullard	155
DW702	ETA	35	ECH35	Tungsrarn	103	ER4	Ferranti	144
DW704	ETA	35	EE50	Mullard	72	ES60	Ediswan	32
DW802	ETA	35	EF2	Mullard	72	ES75	Ediswan	32
DW1003	ETA	35	EF5	Mullard	72	ES75H	Ediswan	32
DW1508	ETA	35	EF5	Tungsrarn	103	ES100	Ediswan	32
DW4011	ETA	35	EF6	Mullard	72	ES220	Ediswan	32
DW4023	ETA	35	EF6	Tungsrarn	103	ET1	MOV	51
DX2	Graham-Farish	41	EF8	Mullard	72	EZ1	Mullard	147
DX502	ETA	35	EF8	Tungsrarn	103	EZ2	Mullard	147
			EF9	Mullard	72	EZ2	Tungsrarn	150
E2P	Eagle	32	EF9	Tungsrarn	103	EZ3	Mullard	147
E220B	Triotron	96	EF11	Tungsrarn	103	EZ3	Tungsrarn	150
E235	Triotron	96	EF12	Tungsrarn	103	EZ4	Tungsrarn	150
E414	Triotron	96	EF13	Tungsrarn	103	EZ33	Tungsrarn	150
E420	Triotron	97	EF14	Tungsrarn	104	EZ35	Mullard	147
E422	Triotron	97	EF36	Mullard	72			
E425	Triotron	97	EF37	Mullard	72	F5	Fotos	40
E430N	Triotron	97	EF38	Mullard	72	F10	Fotos	40
E2020N	Triotron	97	EF39	Mullard	72	F100	Fotos	40
EA50	Mullard	71	EF39	Tungsrarn	104	FC2	Lissen	45
EAB1	Mullard	71	EF50	Mullard	72	FC2	Mullard	73

FC2A	Mullard	73	GN24	Triotron	150	H20	Mullard	74
FC4	Clarion	16	GP	CAC	15	H30	MOV	52
FC4	Mullard	74	GP (2V)	Dario	28	H42	MOV	52
FC13	Clarion	16	GP (2V)	Dulivac	32	H63	MOV	52
FC13	Mullard	74	GP (3.5-4V)	Tela-Radio	93	H125	BSA-Std	14
FC13C	Mullard	74	GP (4V)	Dario	28	H125	Standard	91
FC141	Mazda	60	GP (4V)	Dulivac	32	H125A	BSA-Std	14
FER1 (4V)	Louden	48	GP 4V BE	CAC	15	H125A	Standard	91
FER1 (6V)	Louden	48	GP2	Ediswan	32	H141D	Mazda	60
FER2 (4V)	Louden	48	GP4	Ediswan	32	H210	Hivac	43
FER2 (6V)	Louden	48	GP210	BTH	14	H210	Lissen	45
FER3 (4V)	Louden	48	GP210	Mazda	60	H210	MOV	52
FER3 (6V)	Louden	48	GP407	BTH	14	H210	Mazda	60
FOUR IN ONE	QVC	84	GP407	Mazda	60	H210	Neutron	80
FT4	Ferranti	153	GP607	BTH	14	H210 (red line)	Octron	80
FW1	Dario	143	GP607	Mazda	60	H210	Tungsrām	104
FW2	Dario	143	GPR2	P.R.	83	H220	Neutron	80
FW3	Dario	143	GPR3	P.R.	83	H310	Burndep	15
FW3	Radio Record	149	GPR4	P.R.	83	H406	Neutron	80
FW4-500	Mullard	147	GPR9	P.R.	83	H407	Tungsrām	104
FW4-800	Mullard	147	GPR10	P.R.	83	H408 (red line)	Octron	80
FW4A	Radio Record	149	GPR11	P.R.	83	H410	Lissen	45
FW5	Radio Record	149	GPR17	P.R.	83	H410	MOV	52
FW6	Radio Record	149	GPR18	P.R.	83	H412	Triotron	97
FW350	Radio Record	149	GPR19	P.R.	83	H512	Burndep	15
FY	Hivac	43	GPR20	P.R.	83	H607	Mazda	61
			GPR40	P.R.	83	H610	Lissen	45
G5	Ostar-Ganz	81	GPR60	P.R.	83	H610	Mazda	61
G7-85	ETA	143	GPR120	P.R.	83	H610	MOV	52
G115	Tungsrām	104	GPR140	P.R.	83	H610	Octron	80
G125	BSA-Std	14	GR1	Hivac	155	H612	Splendor	90
G125	Standard	91	GR2	Hivac	155	HA1	MOV	52
G125A	BSA-Std	14	GR4	Ferranti	144	HA2	MOV	52
G125A	Standard	91	GT1	MOV	155	HAD	Ferranti	38
G150	Tungsrām	104	GT1A	MOV	155	HBL1	Micromesh	66
G225	BSA-Std	14	GT1B	MOV	155	HD2	Triotron	97
G405	Tungsrām	104	GT1C	MOV	155	HD14	MOV	52
G407	Tungsrām	104C	GT1E	MOV	155	HD21	Marconi	52
G409	Tungsrām	104	GT4A	Mullard	155	HD22	MOV	52
G410	Tungsrām	104	GT4H	Mullard	155	HD23	MOV	52
G429	Triotron	149	GU1	MOV	145	HD24	MOV	52
G431	Triotron	149	GU5	MOV	145	HE/AC.1	Ediswan	155
G445B	MOV	51	GU50	MOV	145	HF	Aneloy	5
G470	Triotron	149				HF	Eton	35
G607	Tungsrām	104	H	Radio Micro	84	HF	NLV	80
G2018	Tungsrām	104	H	Frelat	40	HF (2V)	Monotone	67
G2080	Triotron	149	H2	362	94	HF (2V)	Univella	111
G3060	Triotron	149	H2	Clarion	16	HF (4V)	Monotone	67
G3070	Triotron	149	H2	HMV	44	HF (4V)	Univella	111
G3412	Triotron	149	H2	Lissen	45	HF (6V)	Monotone	67
G4100	Triotron	149	H2	MOV	51	HF & DET	Aneloy	5
G4110	Triotron	149	H2	Mazda	60	HF2	Clarion	16
G4120	Triotron	149	H2	Radio Record	86	HF2	Octron	80
G4120N	Triotron	149	H2D	Ferranti	38	HF2 (Red line)	Beriton	6
G4150	Triotron	149	H3	Ostar-Ganz	81	HF2	Neutron	80
GA24	Triotron	150	H4	362	94	HF4 (Red line)	Beriton	6
GD24	Triotron	150	H4D	Ferranti	38	HF4	Octron	80
GDT4	Cossor	155	H6	362	94	HF6 (Red line)	Beriton	6
GDT4B	Cossor	155	H.8	MOV	51	HF6	Radion	85
GDT4C	Cossor	155	H11	MOV	52	HF13	Clarion	16
GN14	Triotron	150	H12	MOV	52	HF29	Loewe	47

HF30	Loewe	47	HLA1	Micromesh	66	IW4	Mullard	147
HF210	BTH	14	HLA2	Brimar	12	IW4-350	Mullard	147
HF210	Ediswan	32	HLA2	Micromesh	66	IW4-500	Mullard	147
HF210	Mazda	61	HLD410	Lissen	45			
HF407	BTH	14	HLD610	Lissen	45	J240	Hivac	43
HF407	Mazda	61	HL/DD.1320	Mazda	61			
HF410	Ediswan	32	HP Bivolt (2V)	Dario	28	K	Elka	34
HF607	BTH	14	HP Forvolt (4V)	Dario	28	K	Frelat	40
HF607	Ediswan	33	HP (2V)	Tela-Radio	93	K	Radio Micro	84
HF607	Mazda	61	HP (4V)	Tela-Radio	93	K23A	Ever Ready	36
HF610	Ediswan	33	HP LS7	Tela-Radio	93	K23B	Ever Ready	36
HFP2	Radio Record	86	HP2	Ferranti	38	K30A	Ever Ready	36
HFP/13	Radio Record	86	HP2	Graham-Farish	41	K30B	Ever Ready	36
HFP/13L	Radio Record	87	HP13, HL13s	Tungstram	105	K30C	Ever Ready	37
HL2	Clarion	16	HP210	Tungstram	105	K30D	Ever Ready	37
HL2	Ferranti	38	HP210c (4&7pin)	Tungstram	105	K30E	Ever Ready	37
HL2	Lissen	45	HP210n (4&7pin)	Tungstram	105	K30G	Ever Ready	37
HL2, HL2k	MOV	52	HP210nc (4&7pin)	Tungstram	105	K30K	Ever Ready	37
HL2	Mazda	61	HP211 (4&7pin)	Tungstram	105	K33A	Ever Ready	37
HL2	362	94	HP211c	Tungstram	105	K33B	Ever Ready	37
HL2, HL2s	Tungstram	104	HP215 (4&7pin)	Hivac	43	K40B	Ever Ready	37
HL2/c	Marconi	52	HP1018	Tungstram	105	K40N	Ever Ready	37
HL4	362	94	HP1118	Tungstram	105	K50M	Ever Ready	37
HL4	Tungstram	104	HP2018 (5&7pin)	Tungstram	105	K50N	Ever Ready	37
HL4+	Tungstram	104	HP2118 (5&7pin)	Tungstram	105	K70B (4&5-pin)	Ever Ready	37
HL4G, HL4gs	Tungstram	104	HP4100 (5&7pin)	Tungstram	105	K70D	Ever Ready	37
HL6	362	94	HP4101	Tungstram	105	K77A	Ever Ready	37
HL.8	MOV	52	HP4101c (5&7pin)	Tungstram	105	K77B	Ever Ready	37
HL13	Hivac	43	HP4105 (5&7pin)	Tungstram	105	K80A	Ever Ready	37
HL13	Mullard	74	HP4106 (4&7pin)	Tungstram	105	K80B	Ever Ready	37
HL13, HL13s	Tungstram	105	HP4106c (5&7pin)	Tungstram	105	K420	Triotron	97
HL13C	Mullard	74	HP4115 (4&7pin)	Tungstram	105	K435/10	Triotron	97
HL16	Lissen	45	HP4115c (5&7pin)	Tungstram	105	K450/25	Triotron	97
HL20	Mullard	74	HPB/13	Radio Record	87	K450/40	Triotron	97
HL21	MOV	52	HR2, HR2s	Tungstram	105	K450/50	Triotron	97
HL21/DD	Mazda	61	HR210 (blue line)	Octron	80	K480	Triotron	97
HL22	Mazda	61	HR210	Tungstram	105	K2050	Ostar-Ganz	81
HL22/DD	Mazda	61	HR406	Tungstram	105	K3560	Ostar-Ganz	81
HL23	Mazda	61	HR408 (blue line)	Octron	80	KBC32	Mullard	74
HL23/DD	Mazda	61	HR410	Tungstram	105	KC4	Tungstram	106
HL41	Mazda	61	HR607	Tungstram	106	KCF30	Mullard	74
HL41/DD	Mazda	61	HR610	Octron	80	KF35	Mullard	74
HL42/DD	Mazda	61	HVL	Radio Micro	84	KH1	MOV	52
HL133	Mazda	61	HSD	Ferranti	38	KH1	Tungstram	106
HL133/DD	Mazda	61	HVR1	Mullard	147	KL1	MOV	52
HL134/DD	Mazda	61	HVR2	Mullard	147	KLL32	Mullard	74
HL210	Lissen	45	HVR2A	Mullard	147	KT2	MOV	52
HL210	MOV	52	HVU1	Hivac	144	KT21	MOV	52
HL210	Mazda	61	HW/20	Radio Record	149	KT24	MOV	52
HL212	Burndept	15	HW20L	Radio Record	149	KT30	MOV	52
HL213	Burndept	15	HW30	Radio Record	149	KT31	MOV	52
HL310	Burndept	15	HX406	Vatea	111	KT32	MOV	52
HL410	MOV	52				KT33	MOV	52
HL406	Tungstram	105	IRF40	Brivaron	141	KT33C	MOV	52
HL425	Burndept	15	IFW1	Dario	143	KT35	MOV	53
HL512	Burndept	15	IFW4	Dario	143	KT41	MOV	53
HL565	Burndept	15	IFW4A	Radio Record	149	KT42	MOV	53
HL607	Mazda	61	IRV120/350s	Tungstram	150	KT44	MOV	53
HL610	Mazda	61	IW2	Mullard	147	KT44T	MOV	53
HL610	MOV	52	IW2A	Mullard	147	KT45	MOV	53
HL1320	Mazda	61	IW3	Mullard	147	KT61	MOV	53

KT63	MOV	53	L1525	Ostar-Ganz	81	LP4	Octron	80
KT66	MOV	53	LA74	Loewe	47	LP6	362	94
KT71	MOV	53	LA75	Loewe	47	LP6	Octron	80
KT72	MOV	53	LA77	Loewe	47	LP220	Tungsrām	106
KT73	MOV	53	LA101	Loewe	47	LP240	Octron	80
KT74	MOV	53	LC2 (Green Star)	Voltron	111	LP430 (white line)	Octron	81
KT76	MOV	53	LC2 (Red Star)	Voltron	111	LP625	Octron	81
KTW61	MOV	53	LC4 (Green Star)	Voltron	111	LS2	Radion	85
KTW61M	MOV	53	LC4 (Red Star)	Voltron	111	LS5B	MOV	54
KTW62	MOV	53	LD210	Tungsrām	106	LS5X	MOV	54
KTW63	MOV	53	LD409	Tungsrām	106	LS6A	MOV	54
KTW73M	MOV	53	LD410	Tungsrām	106	LS7	MOV	54
KTW74M	MOV	53	LDE	Lumos	48	LS7B	MOV	54
KTZ41	MOV	53	LDE3	Lumos	48	LS8	MOV	54
KTZ63	MOV	53	LDE4	Lumos	48	LS8A	MOV	54
KTZ63/6J7G	MOV	53	Leo The Lion	NLV	80	LS9	MOV	54
KTZ73M	MOV	53	LER1	Louden	48	LS680	Aneloy	5
			LER2	Louden	48	LX210	Double Two	32
			LER3	Louden	48	LX230	Double Two	32
			LF	Aneloy	5	LX414	Vatea	111
L	Frelat	40	LF	Eton	35			
L2	362	94	LF (2V)	Monotone	67	M41 HF	Cossor	26
L2	Ferranti	38	LF (2V)	Univella	111	M41 LF	Cossor	26
L2	Lissen	45	LF (4V)	Monotone	67	M41 P	Cossor	26
L2	Mazda	61	LF (4V)	Univella	111	M41 RC	Cossor	26
L2/b	Radio Record	87	LF (6V)	Monotone	67	M41 SP	Cossor	26
L2/D	Marconi	53	LF2 (White line)	Beriton	6	M43	Ostar-Ganz	81
L2/DD	Lissen	45	LF2	Graham-Farish	41	M44	Ostar-Ganz	81
L2/DD	Mazda	61	LF2	Octron	80	M61 HF	Cossor	26
L4	362	94	LF4 (White line)	Beriton	6	M61 LF	Cossor	26
L4	Ferranti	38	LF4	Octron	80	MD4	Triotron	97
L4	Lumos	48	LF6 (White line)	Beriton	6	ME2	362	94
L5	Lumos	48	LF210	BTH	14	ME2a	362	94
L6	362	94	LF210	Ediswan	33	ME4	362	94
L11	MOV	53	LF215	Mazda	61	ME4a	362	94
L12	MOV	53	LF407	BTH	14	ME4s	Tungsrām	154
L21	MOV	53	LF407	Mazda	61	ME6	362	94
L21/DD	Mazda	61	LF410	Ediswan	33	ME6a	362	94
L22/DD	Mazda	61	LF410A	Ediswan	33	ME6s	Tungsrām	154
L30	MOV	53	LF607	BTH	14	ME25	362	94
L63	MOV	53	LF607	Mazda	61	ME41	Mazda	153
L190	Tungsrām	106	LF610	Ediswan	33	ME91	Mazda	153
L210	Burndept	15	LG210	Tungsrām	106	ME920	Mazda	153
L210	Hivac	43	LG607	Tungsrām	106	Mellodyne	NLV	80
L210	Lissen	45	Lion	NLV	—	MH4 (Catkin)	MOV	54
L210	Mazda	61	LL2, LL2s	Tungsrām	106	MH4	MOV	54
L210	MOV	53	LL4	Tungsrām	106	MH40	MOV	54
L210	Octron	80	LL4C	Tungsrām	106	MH41	MOV	54
L210	Tungsrām	106	LL525	Burndept	15	MH206	Tungsrām	106
L220	Neutron	80	LP	Eton	35	MH1118	Tungsrām	106
L225	Burndept	15	LP2	362	94	MH4015	Tungsrām	106
L240	Burndept	15	LP2	Clarion	16	MH4105/71	Tungsrām	106
L406	Neutron	80	LP2	Ferranti	38	MH4105/73	Tungsrām	106
L406	Vatea	111	LP2	Graham-Farish	41	MHD4	MOV	54
L408 (green line)	Octron	80	LP2	Lissen	45	MHL4	MOV	54
L410	Lissen	45	LP2	MOV	53	MHL20	362	94
L410	MOV	53	LP2	Octron	80	MHLD6	MOV	54
L414	Tungsrām	106	LP2	Radio Record	87	MHM20	362	94
L525	Burndept	15	LP2/c	Marconi	54	MI 41	Ediswan	33
L550	Burndept	15	LP4	362	94	MI 41 HF	Ediswan	33
L610	Lissen	45	LP4	Ferranti	38	MI 41 LF	Ediswan	33
L610	MOV	53						
L610	Octron	80						

MI 41 RC	Ediswan	33	N31	MOV	55	NR70	Navy	127
MICROSUTRA	Sutra	93	N34	MOV	55	NR71	Navy	127
MKT4 (5&7pin)	MOV	54	N40 (5&7pin)	Marconi	55	NR72	Navy	127
ML4	MOV	54	N41	MOV	55	NR73	Navy	127
ML6	MOV	54	N42	MOV	55	NR74	Navy	127
MM4V	Mullard	74	N43	MOV	55	NR75	Navy	127
MM20	Mullard	74	N63	MOV	55	NR76	Navy	127
MME20	362	94	New Power	Radio Micro	84	NR77	Navy	127
MO44	Loewe	47	NG40	Ostar-Ganz	148	NR78	Navy	127
MO 465	Tungsram	106	NG50	Ostar-Ganz	148	NR78A	Navy	127
MP/Pen (5&7pin)	Cossor	26	NG100	Ostar-Ganz	148	NR79	Navy	127
MP2	Graham-Farish	41	NHL/13	Radio Record	87	NR80	Navy	127
MP2	Midland	67	NHL/13L	Radio Record	87	NR81	Navy	127
MP4	362	94	NR14	Navy	126	NR82	Navy	127
MP4	Midland	67	NR15	Navy	126	NR83	Navy	127
MPT4 (5&7pin)	MOV	54	NR15A	Navy	126	NR84	Navy	127
MPT4 (Catkin)	MOV	54	NR16	Navy	126	NR85	Navy	127
(5&7pin)			NR16A	Navy	126	NR86	Navy	127
MPT41	MOV	54	NR17	Navy	126	NR87	Navy	127
MPX20	362	94	NR18	Navy	126	NR88	Navy	128
MR1	Hivac	144	NR19	Navy	126	NR94	Navy	128
MR3	Radio Micro	84	NR22	Navy	126	NR95	Navy	128
MR/AC.1	Ediswan	155	NR23	Navy	126	NT17	Navy	128
MS/Pen (5&7pin)	Cossor	26	NR26	Navy	126	NT18	Navy	128
MS/PenA (5&7pin)	Cossor	26	NR27	Navy	126	NT20	Navy	128
MS/PenB	Cossor	26	NR27A	Navy	126	NT36	Navy	128
MS/PenT	Cossor	26	NR28	Navy	126	NT37	Navy	128
MS4	MOV	54	NR31	Navy	126	NT40	Navy	128
MS4B	MOV	54	NR35	Navy	126	NT58	Navy	128
MS4B (Catkin)	MOV	54	NR37	Navy	126	NT62	Navy	128
MS18	Ostar-Ganz	81	NR38	Navy	126	NT62A	Navy	128
MS70	Ostar-Ganz	81	NR39	Navy	126	NT65A	Navy	128
MSG/HA	Cossor	26	NR40	Navy	126	NT68	Navy	128
MSG/LA	Cossor	26	NR41	Navy	126	NT68A	Navy	128
MSG20	362	94	NR42	Navy	126	NT82	Navy	128
MSG41	Cossor	26	NR43	Navy	126	NU3	Navy	128
MSP4 (5&7pin)	MOV	54	NR44	Navy	126	NU12	Navy	128
MSP41(5&7pin)	MOV	54	NR45	Navy	126	NU15	Navy	128
MU1	Ediswan	146	NR46	Navy	126	NU17	Navy	128
MU1	Mazda	146	NR47	Navy	126	NU18	Navy	128
MU2	Ediswan	146	NR48	Navy	126	NU20	Navy	128
MU2	Mazda	146	NR49	Navy	126	NU31	Navy	128
MU12	MOV	145	NR50	Navy	126	NU33	Navy	128
MU12/14	MOV	145	NR51	Navy	126	NU34	Navy	128
MU14	MOV	145	NR52	Navy	126			
MVS/Pen (5&7pin)	Cossor	26	NR53	Navy	126	O 15/400	Tungsram	106
MVS/PenB	Cossor	26	NR54A	Navy	127	O 40/1000	Tungsram	106
MVS20	362	94	NR55	Navy	127	O 75/1000	Tungsram	106
MVSG	Cossor	26	NR56	Navy	127	O 202	Triotron	97
MX40	MOV	55	NR57	Navy	127	O 250/2000	Tungsram	106
MZ05-60	Mullard	74	NR58	Navy	127	O 406	Triotron	97
MZ1-100	Mullard	74	NR59	Navy	127	O 1307	Triotron	97
MZ1-75	Mullard	74	NR60	Navy	127	OC2	Radio Record	87
MZ2-250	Mullard	74	NR61	Navy	127	OC13	Radio Record	87
			NR62	Navy	127	OC13L	Radio Record	87
N14	MOV	55	NR64	Navy	127	OM1	Cossor	142/
N15	MOV	55	NR65	Navy	127	OM3	Cossor	27
N16	MOV	55	NR66	Navy	127	OM4	Cossor	27
N30 (Catkin)	MOV	55	NR67	Navy	127	OM5	Cossor	27
N30	MOV	55	NR68	Navy	127	OM5A	Cossor	27
N30/G	MOV	55	NR69	Navy	127	OM5B	Cossor	27

OM5C	Cossor	27	P215	MOV	55	P625B	Mazda	62
OM6	Cossor	27	P215	Triotron	97	P650	Mazda	62
OM8	Cossor	27	P215	Tungsrām	107	P2018	Tungsrām	107
OM9	Cossor	27	P220	Hivac	43	P2020N	Triotron	98
OM10	Cossor	27	P220	Lissen	46	P2060	Triotron	98
OP41	Ekco	34	P220	Mazda	62	P2460	Triotron	98
OP42	Ekco	34	P220	Tungsrām	107	P3580	Triotron	98
Orpheus B.E.HF	CAC	15	P220A	Lissen	46	P4100	PIX	82
Orpheus B.E.LF	CAC	15	P220A	Mazda	62	P4100	Tungsrām	107
Orpheus D.E.2.HF	CAC	15	P225	Triotron	97	P4150	Fotos	40
Orpheus D.E.2.LF	CAC	15	P227	BTH	14	PA1	Brimar	12
Orpheus D.E3.HF	CAC	15	P227	Mazda	62	PA1	Micromesh	66
Orpheus D.E.3LF	CAC	15	P240	Mazda	62	PA4	Standard	91
Orpheus M.P.2	CAC	15	P240	MOV	55	PA20	Mazda	62
Orpheus P.2	CAC	15	P240A	Lissen	46	PA40	Mazda	62
Orpheus P.4	CAC	15	P410	Lissen	46	PA60	NLV	80
Orpheus P.6	CAC	15	P410	MOV	55	PB1	Micromesh	66
			P410	Tungsrām	107	PB172	Dario	28
P	Frelat	40	P414	Tungsrām	107	PD220	Mazda	62
P1	Dayros	32	P415	BTH	14	PD220	Tungsrām	107
P2	362	94	P415	Mazda	62	PD220A	Mazda	62
P2	CAC	15	P415	MOV	55	PD221	Tungsrām	107
P2	Clarion	16	P415	Tungsrām	107	PD500	Tungsrām	107
P2	Dayros	32	P420	Triotron	97	P.E.R.1 (4V)	Louden	48
P2	Midland	67	P425	BSA-Std	14	P.E.R.1 (6V)	Louden	48
P2	MOV	55	P425	Lissen	46	P.E.R.2 (4V)	Louden	48
P2	Quikko	84	P425	Mazda	62	P.E.R.2 (6V)	Louden	48
P2	Radio Record	87	P425	MOV	55	Pen 4DD	Mullard	74
P2/b	Marconi	55	P425	Standard	91	Pen 4V	Mullard	74
P3	Dayros	32	P425	Triotron	97	Pen 4VA (5&7pin)	Mullard	74
P4	362	94	P425A	BSA-Std	14	Pen 4VB = PenA4	Mullard	74
P4	CAC	15	P425A	Standard	91	Pen 13C	Mullard	74
P4	Dayros	32	P430	Neutron	80	Pen 20 (5&7pin)	Mullard	75
P4	Ferranti	38	P430	Triotron	97	Pen.24	Mazda	62
P4	Quikko	84	P430	Tungsrām	107	Pen.25	Mazda	62
P4	Voltron	111	P435	Triotron	97	Pen 26	Mullard	75
P6	362	94	P440	Triotron	97	Pen 36C	Mullard	75
P6	CAC	15	P440N	Triotron	97	Pen 40DD	Mullard	75
P6	Midland	67	P441N	Triotron	97	Pen.44	Mazda	62
P6	Quikko	84	P460	Triotron	97	Pen.45	Mazda	62
P6	Voltron	111	P460	Tungsrām	107	Pen.45/DD	Mazda	62
P.8	MOV	55	P475	PLX	82	Pen.46	Mazda	62
P12/250	Tungsrām	106	P485	BSA-Std	14	Pen.141	Mazda	62
P15/250	Tungsrām	106	P495	Triotron	97	Pen.220 (4&5pin)	Mazda	62
P24/250	Tungsrām	106	P520	Triotron	97	Pen.220A (4&5pin)	Mazda	62
P25/400	Tungsrām	106	P525	Neutron	80	Pen.230	Mazda	62
P25/450	Tungsrām	106	P525A	Neutron	80	Pen.231	Mazda	62
P25/500	Tungsrām	107	P525B	Neutron	80	Pen.383	Mazda	62
P26/500	Tungsrām	107	P610	Lissen	46	Pen.384	Mazda	62
P27/500	Tungsrām	107	P610	MOV	55	Pen.425	Mazda	62
P28/500	Tungsrām	107	P610	Tungsrām	107	Pen.453/DD	Mazda	63
P30/500	Tungsrām	107	P612	BSA-Std	14	Pen 428	Mullard	75
P41	Mazda	61	P615	BTH	14	Pen 650 = EL50	Mullard	75
P60/500	Tungsrām	107	P615	Mazda	62	Pen.1340	Mazda	63
P61	Mazda	61	P615	Tungsrām	107	Pen.3520	Mazda	63
P100/1000	Tungsrām	107	P625	362	94	Pen.3820	Mazda	63
P125	BSA-Std	14	P625	Lissen	46	PenA1	Brimar	12
P125A	BSA-Std	14	P625	MOV	55	PenA1	Micromesh	66
P190	Tungsrām	107	P625A	Lissen	46	PenA4	Mullard	75
P215	Hivac	43	P625A	Mazda	62	PenB1	Brimar	12
P215	Mazda	61	P625A	MOV	55	PenB1	Micromesh	66

PenB4	Mullard	75	PM5X	Mullard	76	PP495	Tungsrsm	108
Pen/DD61	Mazda	63	PM6	Mullard	76	PP610	Tungsrsm	108
Pen/DD.1360	Mazda	63	PM6D	Mullard	76	PP2018 (5&7pin)	Tungsrsm	108
Pen/DD.4020	Mazda	63	PM12	Mullard	76	PP2018D	Tungsrsm	108
Pen/DD.4021	Mazda	63	PM12A	Mullard	76	PP3521	Mazda	63
Pentodion (2V)	Dario	28	PM12M	Mullard	76	PP4018	Tungsrsm	108
Pentodion (4V)	Dario	28	PM12V	Mullard	76	PP4100	Tungsrsm	108
PF462	Dario	28	PM13 (4&5pin)	Mullard	76	PP4101	Tungsrsm	108
PF472	Dario	28	PM14	Mullard	76	PP4118	Tungsrsm	108
PN2	Clarion	16	PM16	Mullard	76	PR1	P.R.	83
POINT ONE	Cossor		PM22 (4&5pin)	Mullard	76	PR2	P.R.	83
—DET & LF (2V)		27	PM22A (4&5pin)	Mullard	76	PR3	P.R.	83
—HF (2V)		27	PM22C	Mullard	76	PR4	P.R.	83
—HF (4V)		27	PM22D	Mullard	77	PR5	P.R.	83
—HF & DET (2V)		27	PM24 (4&5pin)	Mullard	77	PR6	P.R.	83
—HF & DET (4V)		27	PM24A	Mullard	77	PR7	P.R.	83
—HF & DET (6V)		27	PM24B	Mullard	77	PR8	P.R.	83
—LF (4V)		27	PM24C	Mullard	77	PR9	P.R.	83
—LF (6V)		27	PM24D	Mullard	77	PR10	P.R.	83
—PLAIN TOP		27	PM24E	Mullard	77	PR11	P.R.	83
—RC (2V)		27	PM24M	Mullard	77	PR17	P.R.	83
—RC (4V)		27	PM25 (4&5pin)	Mullard	77	PR18	P.R.	83
—RC (6V)		27	PM26 (4&5pin)	Mullard	77	PR19	P.R.	83
—RED TOP		27	PM202	Mullard	77	PR20	P.R.	83
Polyodion	Dario	28	PM252	Mullard	77	PR40	P.R.	83
Power	Fama	37	PM254	Mullard	77	PR60	P.R.	83
Power	Fotos	40	PM256	Mullard	77	PR120	P.R.	83
Power	Radio Micro	84	PM256A	Mullard	77	PR140	P.R.	83
Power 2 (Gn line)	Beriton	6	PP2	Graham-Farish	41	PT2	Ferranti	38
Power (2V)	Dulivac	32	PP2	Neutron	80	PT2	Graham-Farish	41
Power (2V)	Monotone	67	PP2 (4&5pin)	Tungsrsm	107	PT2	MOV	55
Power 4 (Gn line)	Beriton	6	PP2s	Tungsrsm	107	PT2	Radio Record	87
Power (4V)	Dulivac	32	PP3/250	Mazda	63	PT2A (4&5pin)	Lissen	46
Power (4V)	Monotone	67	PP3/425	Mazda	63	PT2C	Radio Record	87
Power 6 (Gn line)	Beriton	6	PP4	Octron	81	PT2/k	MOV	55
Power (6V)	Monotone	67	PP4, PP4s	Tungsrsm	107	Pt3	Ostar-Ganz	81
PL215	Tungsrsm	107	PP5/400	Mazda	63	Pt4	Ostar-Ganz	81
PMO	Mullard	75	PP6As	Tungsrsm	107	PT4	Ferranti	38
PM1	Mullard	75	PP6Bs	Tungsrsm	107	PT4	MOV	55
PM1A	Mullard	75	PP6C	Tungsrsm	107	PT4D	Ferranti	38
PM1DG	Mullard	75	PP6E	Tungsrsm	108	PT10	Cossor	27
PM1HF	Mullard	75	PP13A	Tungsrsm	108	PT16	Lissen	46
PM1HL	Mullard	75	PP13s	Tungsrsm	108	PT16	MOV	55
PM1LF	Mullard	75	PP24, PP24s	Tungsrsm	108	PT/24DA	Radio Record	87
PM2	Mullard	75	PP34, PP34s	Tungsrsm	108	PT/24DAL	Radio Record	87
PM2A	Mullard	75	PP35	Tungsrsm	108	PT24M	Radio Record	87
PM2B	Mullard	75	PP36	Tungsrsm	108	PT25	MOV	55
PM2BA	Mullard	75	PP37	Tungsrsm	108	PT25H	MOV	55
PM2DL	Mullard	75	PP60	Tungsrsm	108	PT/35DA	Radio Record	87
PM2HL	Mullard	75	PP215, PP215s	Tungsrsm	108	PT41	Cossor	27
PM3	Mullard	75	PP220	Hivac	43	PT41B	Cossor	27
PM3A	Mullard	76	PP220 (4&5pin)	Tungsrsm	108	PT220A	Lissen	46
PM3D	Mullard	76	PP222 (4&5pin)	Tungsrsm	108	PT225 (4&5pin)	Lissen	46
PM4	Mullard	76	PP225, PP225s	Tungsrsm	108	PT235	MOV	56
PM4D = PM4DX	Mullard	76	PP230 (4&5pin)	Tungsrsm	108	PT240 (4&5pin)	Lissen	46
PM4DG	Mullard	76	PP280	Tungsrsm	108	PT240	MOV	56
PM4DX	Mullard	76	PP415	Tungsrsm	108	PT250	Lissen	46
PM5	Mullard	76	PP416	Tungsrsm	108	PT425 (4&5pin)	Lissen	46
PM5A	Mullard	76	PP430	Tungsrsm	108	PT425	MOV	56
PM5B	Mullard	76	PP431 (4&5pin)	Tungsrsm	108	PT611	Lissen	46
PM5D	Mullard	76	PP480	Tungsrsm	108	PT625 (4&5pin)	Lissen	46

PT625	MOV	56	QP22B	Mullard	77	RFP60	362	95
PTA	Ferranti	38	QP230	Mazda	63	RFP120	362	95
PTAD	Ferranti	38	QP240	Mazda	63	RG1-125	Mullard	147
PTS	Ferranti	38	QP25	Mazda	63	RG1-240	Mullard	147
PTSD	Ferranti	38	QP240	Hivac	43	RG1-240A	Mullard	147
PTZ	Ferranti	38	QP240	Lissen	46	RG250/1000	Tungfram	151
PV2 (DE)	Ediswan	33	QPT2	Ferranti	38	RG250/2000	Tungfram	151
PV2 (Ox)	Ediswan	33				RG250/3000	Tungfram	151
PV4, PV4s	Tungfram	150	R1	Brimar	141	RH1	BTH	141
PV4 DE	Ediswan	33	R1 (See Brimar)	Micromesh	141	RL7 (= EF54)	Mullard	77
PV25	Tungfram	150	R2	Brimar	141	RL16 (= EC52)	Mullard	77
PV29, PV29s	Tungfram	150	R2 (See Brimar)	Micromesh	141	RL18 (= EC53)	Mullard	77
PV30, PV30s	Tungfram	150	R3	Brimar	141	RL37 (= EC54)	Mullard	77
PV75/1000	Tungfram	150	R3 (See Brimar)	Micromesh	141	RNF7	Loewe	47
PV100/2000	Tungfram	150	R4	Ferranti	144	RS	Ferranti	144
PV215	Ediswan	33	R4A	Ferranti	144	RV120/350	Tungfram	151
PV225	Ediswan	33	R4B	Ferranti	144	RV120/350s	Tungfram	151
PV410	Ediswan	33	R5	Ferranti	144	RV120/500	Tungfram	151
PV425	Ediswan	33	R11	Brimar	141	RV120/500s	Tungfram	151
PV475	Tungfram	150	R41	Ekco	143	RV200/600	Tungfram	151
PV495	Tungfram	150	R41	Ferranti	144	RX406	Vatea	111
PV610	Ediswan	33	R42	Ferranti	144	RZ	Ferranti	144
PV625	Ediswan	33	R43	Ferranti	144	RZ1-75	Mullard	147
PV625A	Ediswan	33	R52	Ferranti	144	RZ1-150	Mullard	147
PV625X	Ediswan	33	R150	Tungfram	108	RZ1-250	Mullard	147
PV3018	Tungfram	150	R208	Tungfram	108			
PV4018	Tungfram	150	R406	Tungfram	109	S2	Ferranti	38
PV4100	Tungfram	150	R2018	Tungfram	109	S2	MOV	56
PV4200	Tungfram	150	RA	Ferranti	144	S2	Radio Record	87
PV4201	Tungfram	150	RB41	362	149	S2/c	MOV	56
PVA6, PVA6s	Tungfram	150	RB42	362	149	S4V (4&5pin)	Mullard	77
PVB6, PVB6s	Tungfram	150	RB350/80	362	149	S4VA	Mullard	78
PVC6, PVB6s	Tungfram	150	RB350/80	362	149	S4VB	Mullard	78
PX2	Clarion	16	RB500/120	362	149	S.8	MOV	56
PX4	MOV	56	RB650/80	362	149	S11A	Ever Ready	143
PX4a	362	94	RB650/250	362	149	S11D	Ever Ready	143
PX5	Hivac	43	RC	Eton	35	S12	MOV	56
PX25	362	94	RC2	Beriton	6	S21	MOV	56
PX25	MOV	56	RC2.	Ediswan	33	S22	MOV	56
PX25A	362	94	RC2	Octron	81	S23	MOV	56
PX25A	MOV	56	RC4	Beriton	6	S24	MOV	56
PX41	Hivac	43	RC4	Octron	81	S25	Ostar-Ganz	81
PX50	362	95	RC6	Beriton	6	S30C	Ever Ready	37
PX60	362	95	RC210	BTH	14	S30D	Ever Ready	37
PX100	362	95	RC210	Ediswan	33	S33	HMV	44
PX120	362	95	RC210	Mazda	63	S34	HMV	44
PX200	362	95	RC407	BTH	14	S50C	Ever Ready	37
PX300	362	95	RC407	Mazda	63	S70	HMV	144
PX230	Hivac	43	RC410	Ediswan	33	S100	Ostar-Ganz	81
PX230SW	Hivac	43	RC607	BTH	14	S201A	Triotron	98
PX240	Lissen	46	RC607	Mazda	63	S207	Triotron	98
PX650	BTH	14	RC610	Ediswan	33	S208	Triotron	98
PX650	Mazda	63	RCC (2V)	Monotone	67	S209	Triotron	98
PX4200	Vatea	111	RCC (4V)	Monotone	67	S210	Triotron	98
Pyramid 2	Radion	85	RCC (6V)	Monotone	67	S210	Tungfram	109
Pyramid 3	Radion	85	RD4	Triotron	98	S213	Triotron	98
Pyramid 4	Radion	85	Resistron (2V)	Dario	28	S215	MOV	56
			Resistron (4V)	Dario	28	S215	Triotron	98
QP2	Graham-Farish	41	RFP8/14	362	95	S215A	Mazda	63
QP21	MOV	56	RFP15	362	95	S215B	Mazda	63
QP22A	Mullard	77	RFP30	362	95	S215VM	Mazda	63

S217	Triotron	98	SG2	Neutron	80	SP22	Mazda	63
S218	Triotron	98	SG2V	Lissen	46	SP41	Mazda	63
S220	Tungsram	109	SG4	362	95	SP41/U	Cosmos	142
S406	Tungsram	109	SG6	362	95	SP42	Mazda	63
S407	Tungsram	109	SG20	Mullard	78	SP42/U	Cosmos	142
S408	Triotron	98	SG25	P.R.	83	SP43/U	Cosmos	142
S409 DC	Triotron	98	SG207	BTH	14	SP45/U	Cosmos	142
S410	MOV	56	SG207	Mazda	63	SP50/B	Cosmos	18
S410	Tungsram	109	SG210	Cossor	27	SP50/R	Cosmos	18
S410N	Triotron	98	SG210	Hivac	43	SP55 (Blue spot)	Benjamin	6
S412N	Triotron	98	SG215 = 215 SG	Cossor	27	SP55 (Red spot)	Benjamin	6
S415	Fotos	40	SG215	Ediswan	33	SP55/B	Cosmos	18
S415N	Triotron	98	SG215	Hivac	43	SP55/R	Cosmos	18
S420	Triotron	98	SG215	Lissen	46	SP60/B	Cosmos	18
S430N	Triotron	98	SG215	Mazda	63	SP61	Mazda	63
S431N	Triotron	98	SG220	Cossor	27	SP62	Mazda	63
S434N	Triotron	98	SG220	Hivac	43	SP141	Mazda	63
S435N	Triotron	98	SG220 SW	Hivac	43	SP181	Mazda	64
S440	Fotos	40	SG410	Cossor	27	SP210	Mazda	64
S610	MOV	56	SG410	Ediswan	33	SP215	Mazda	64
S625	MOV	56	SG410	Lissen	46	SP220	Tungsram	109
S1323	Triotron	98	SG610	Cossor	27	SP230	Tungsram	109
S1324	Triotron	98	SG610	Ediswan	33	SP610/B	Cosmos	18
S1328	Triotron	98	SGA1	Micromesh	66	SP610/G	Cosmos	18
S2010N	Triotron	98	SGV16	Lissen	46	SP610/RR	Cosmos	18
S2010N	Tungsram	109	SGW2	Graham-Farish	41	SP614	Tungsram	109
S2018	Tungsram	109	SN4	Triotron	99	SP1320	Mazda	64
S2031N	Triotron	98	SP Bivolt	Dario	29	SP2220	Mazda	64
S2034N	Triotron	98	SP Forvolt	Dario	29	Special	Radio Micro	84
S2035N	Triotron	99	SP2	362	95	Special Detector	Radion	85
S4150	Fotos	40	SP2	Lissen	46	SPT2	Ferranti	38
SB1	Ratraco	85	SP2	Lissen	46	SPT4	Ferranti	38
SB2	Ratraco	85	SP2	Mullard	78	SPT4A	Ferranti	38
SB3	Ratraco	85	SP2	Radio Record	87	SPTA	Ferranti	38
SB4	Ratraco	85	SP2	Triotron	99	SPTS	Ferranti	38
SB5	Ratraco	85	SP2B, SP2Bs	Tungsram	109	SR2	362	95
SB6	Ratraco	85	SP2D (4&7pin)	Tungsram	109	SR4	362	95
SB8	Ratraco	85	SP2V	Lissen	46	SS2A HF	Six-Sixty	88
SB9	Ratraco	85	SP4 (5&7pin)	Mullard	78	SS2A LF	Six-Sixty	88
SB10	Ratraco	85	SP4, SP4s	Tungsram	109	SS2HF	Six-Sixty	88
SC2	Triotron	99	SP4A	Tungsram	109	SS3HF	Six-Sixty	88
SC4	Triotron	99	SP4B	Mullard	78	SS3LF	Six-Sixty	88
SCG4	Triotron	99	SP4B	Tungsram	109	SS4	Six-Sixty	88
SCN4	Triotron	99	SP4C	Mullard	78	SS4DAC	Six-Sixty	88
Screen Grid	BTH	14	SP6s	Tungsram	109	SS4DDTAC	Six-Sixty	88
Screenodium (2V)	Dario	29	SP13	Mullard	78	SS4DetAC	Six-Sixty	88
Screenodium (4V)	Dario	29	SP13, SP13s	Tungsram	109	SS4DGAC	Six-Sixty	88
SD	Ferranti	38	SP13B	Tungsram	109	SS4DXAC	Six-Sixty	88
SD2	Triotron	99	SP13C	Mullard	78	SS4GPAC	Six-Sixty	88
SD2M	Triotron	99	SP15 (Green spot)	Benjamin	6	SS4HLAC	Six-Sixty	88
SD4	Mullard	78	SP16/B	Cosmos	18	SS4LAC	Six-Sixty	88
SD4	Triotron	99	SP16/G	Cosmos	18	SS4MMAC	Six-Sixty	88
SD20	Mullard	78	SP16/R	Cosmos	18	SS4PAC	Six-Sixty	88
SE211, SE211c	Tungsram	109	SP18 (Blue spot)	Benjamin	6	SS4Pen	Six-Sixty	88
SE220	Tungsram	109	SP18 (Red spot)	Benjamin	6	SS4PenAC	Six-Sixty	88
SE2018	Tungsram	109	SP18	Cosmos	18	SS4PenAAC	Six-Sixty	88
SE2118	Tungsram	109	SP18/B	Cosmos	18	SS4PenM	Six-Sixty	88
SG2	362	95	SP18/G	Cosmos	18	SS4PenSP	Six-Sixty	89
SG2	Clarion	16	SP18/R	Cosmos	18	SS4SGAC	Six-Sixty	89
SG2	Graham-Farish.	41	SP18/RR	Cosmos	18	SS4SPAC	Six-Sixty	89
SG2	Lustrolux	49	SP20	Mullard	78	SS4VMAC	Six-Sixty	89

SS4XSGAC	Six-Sixty	89	SSIH120/350	Six-Sixty	149	TB213	Dario	29
SS4YSGAC	Six-Sixty	89	SSU465	Six-Sixty	149	TB282	Dario	29
SS6	Six-Sixty	89	SSU765	Six-Sixty	149	TB402	Dario	29
SS7	Six-Sixty	89	SSW60/250	Six-Sixty	149	TB422	Dario	29
SS7A	Six-Sixty	89	SSW120/350	Six-Sixty	149	TB424	Dario	29
SS8	Six-Sixty	89	SSW120/500	Six-Sixty	149	TB452	Dario	29
SS9	Six-Sixty	89	SSW432	Six-Sixty	149	TB552	Dario	29
SS10	Six-Sixty	89	SSW462	Six-Sixty	149	TB622	Dario	29
SS11	Six-Sixty	89	ST21 = PM1HF	Scott-Taggart	88	TB4313	Dario	29
SS11A	Six-Sixty	89	ST21A = PM1A	Scott-Taggart	88	TP4320M	Dario	29
SS12	Six-Sixty	89	ST22 = PM1HF	Scott-Taggart	88	TB4320P	Dario	29
SS13	Six-Sixty	89	ST23 = PM2	Scott-Taggart	88	TB4613	Dario	29
SS210	Tungsrām	109	ST41 = PM3	Scott-Taggart	88	TB4620	Dario	29
SS210D	Six-Sixty	89	ST41A = PM3A	Scott-Taggart	88	TB4720	Dario	29
SS210DDT	Six-Sixty	89	ST42 = PM4	Scott-Taggart	88	TB5013M	Dario	29
SS210DG	Six-Sixty	89	ST43 = PM 254	Scott-Taggart	88	TB5013P	Dario	29
SS210HF	Six-Sixty	89	ST61 = PM5	Scott-Taggart	88	TB5613M	Dario	30
SS210HL	Six-Sixty	89	ST61A = PM5B	Scott-Taggart	88	TB5613P	Dario	30
SS210LF	Six-Sixty	89	ST61B = PM5X	Scott-Taggart	88	TB8013	Dario	30
SS210RC	Six-Sixty	89	ST62 = PM6	Scott-Taggart	88	TB9920	Dario	30
SS215P	Six-Sixty	89	ST63 = PM256	Scott-Taggart	88	TBC14	Dario	30
SS215SG	Six-Sixty	89	STENTOR TWO	Cossor	27	TBC113M	Dario	30
SS215VSG	Six-Sixty	89	STENTOR FOUR	Cossor	27	TBC113P	Dario	30
SS217D	Six-Sixty	89	STENTOR SIX	Cossor	27	TBC5013	Dario	30
SS218HP	Six-Sixty	89	SU6	Cossor	142	TBL14	Dario	30
SS218SG	Six-Sixty	89	SU750	Cossor	142	TBL44	Dario	30
SS218VP	Six-Sixty	89	SU2130	Cossor	142	TBL226	Dario	30
SS218VSG	Six-Sixty	89	SU2150	Cossor	142	TBY233	Dario	143
SS220B	Six-Sixty	89	SU2150A	Cossor	142	TC432	Dario	30
SS220P	Six-Sixty	89	Sup. Det Bivolt	Dario	29	TC113	Dario	30
SS220PA	Six-Sixty	89	Sup. Det Forvolt	Dario	29	TC432	Dario	30
SS220Pen	Six-Sixty	90	Super HF (2V)	Dario	29	TC432N	Dario	30
SS220SP	Six-Sixty	90	Super HF (4V)	Dario	29	TC434	Dario	30
SS225D	Six-Sixty	90	Super Power (2V)	Dario	29	TCH24	Dario	30
SS230Pen	Six-Sixty	90	Super Power (4V)	Dario	29	TCH229	Dario	30
SS230PP	Six-Sixty	90	SUPERSUTRA	Sutra	93	TCH432	Dario	30
SS230SP	Six-Sixty	90	SV220	Tungsrām	109	TD044	Dario	30
SS240SP	Six-Sixty	90	SX2	Graham-Farish	41	TD2	Triotron	99
SS410D	Six-Sixty	90	SW1	Dario	143	TD24	Dario	30
SS410P	Six-Sixty	90				TDD2	Mullard	78
SS415PP	Six-Sixty	90	T1	Dario	156	TDD2A	Mullard	78
SS420SP	Six-Sixty	90	T4D	Mullard	78	TDD4	Mullard	78
SS425SP	Six-Sixty	90	T6D (= EA50)	Mullard	78	TDD13	Mullard	78
SS610D	Six-Sixty	90	T10	Triotron	99	TDD13C	Mullard	78
SS610P	Six-Sixty	90	T11	Mazda	155	TDD25	Mullard	78
SS617PP	Six-Sixty	90	T21	Mazda	155	TE094	Dario	30
SS625SP	Six-Sixty	90	T31	Mazda	155	TE4	Dario	30
SS625SPA	Six-Sixty	90	T32	Mazda	155	TE244	Dario	30
SS2018	Tungsrām	109	T41	Ekco	34	TE244N	Dario	30
SS4075HF	Six-Sixty	90	T41	Mazda	155	TE384	Dario	30
SS4075RC	Six-Sixty	90	T425	Fotos	40	TE424	Dario	30
SS4075SG	Six-Sixty	90	TB13	Dario	29	TE434	Dario	30
SS6075HF	Six-Sixty	90	TB24	Dario	29	TE444	Dario	30
SS6075RC	Six-Sixty	90	TB032	Dario	29	TE464 (5&7pin)	Dario	30
SS6075SG	Six-Sixty	90	TB032A	Dario	29	TE474 (5&7pin)	Dario	30
SSHPIAC	Six-Sixty	90	TB052	Dario	29	TE504	Dario	31
SSHPIAC	Six-Sixty	90	TB062	Dario	29	TE524	Dario	31
SSHV4/1	Six-Sixty	90	TB34	Dario	143	TE524T	Dario	31
SSHV4/2	Six-Sixty	90	TB102	Dario	29	TE534 (5&7pin)	Dario	31
SSHV6/5	Six-Sixty	90	TB122	Dario	29	TE554	Dario	31
SSIH60/250	Six-Sixty	149	TB172	Dario	29	TE564	Dario	31

TE634	Dario	31	TUNEON	MOV	153	UFW/30	Radio Record	149
TE634A	Dario	31	Tunograph	STC	—	UFW/30L	Radio Record	149
TE994	Dario	31	TW1	Dario	143	UH4	Clarion	141
TE4313	Dario	31	TW1P	Dario	143	UHdd	362	95
TE4320	Dario	31	TW2	Dario	143	UHL	362	95
TE5013	Dario	31	TW2P	Dario	143	ULP	362	95
TF44	Dario	31	TX4	Tungsram	110	UME	362	95
TF64	Dario	31	TX21	Tungsram	110	Universal Bivolt	Dario	31
TF104	Dario	31	TX29	Tungsram	110	Universal. Forvolt	Dario	31
TF313	Dario	31	TX41	Ekco	34	UPX	362	95
TF313M	Dario	31	TZ34	Dario	143	UR1	Mullard	147
TF313P	Dario	31				UR1C	Mullard	148
TF364	Dario	31	U4	MOV	145	UR2	Mullard	148
TF713M	Dario	31	U5	MOV	145	UR3	Mullard	148
TF713P	Dario	31	U8	MOV	145	UR3C	Mullard	148
TH2	Mullard	78	U9	MOV	145	UU2	Mazda	146
TH4	Mullard	78	U10	MOV	145	UU3	Mazda	146
TH4A	Mullard	78	U12	MOV	145	UU4	Mazda	146
TH4A	Tungsram	109	U12/14	MOV	145	UU5	Mazda	146
TH4B	Mullard	78	U14	MOV	145	UU6	Mazda	146
TH4B	Tungsram	109	U15	MOV	145	UU7	Mazda	146
TH13C	Mullard	78	U16	Lissen	144	UU8	Mazda	146
TH21C	Mullard	79	U16	MOV	145	UU10	Mazda	146
TH/21DA	Radio Record	87	U17	MOV	145	UU30/250	Mazda	146
TH22C	Mullard	79	U18	MOV	145	UU41	Lissen	144
TH29	Tungsram	110	U18/20	MOV	145	UU42	Lissen	144
TH30	Tungsram	110	U19/23	MOV	145	UU43	Lissen	144
TH30C	Mullard	79	U20	MOV	145	UU60/250	Graham-Farish	144
TH41	Mazda	64	U21	Mazda	146	UU60/250	Hivac	144
TH62 = ECH35	Mullard	79	U22	Mazda	146	UU60/250	Mazda	146
TH233	Mazda	64	U23	MOV	145	UU120/250	Mazda	146
TH401	Triotron	99	U26	Hivac	144	UU120/350	Graham-Farish	144
TH2320	Mazda	64	U27	MOV	145	UU120/350	Mazda	146
TH2321	Mazda	64	U29	MOV	145	UU120/350A	Hivac	144
THREE IN ONE	QVC	84	U30	MOV	145	UU120/500	Hivac	144
TI 65	MOV	153	U30/250	Mazda	146	U120/500	Mazda	146
TK24	Dario	31	U31	MOV	145	UU120/500	Mazda	146
TL34	Dario	31	U50/5Y3G	MOV	145	UVP	362	95
TL44	Dario	31	U52/5U4G	MOV	145	UX406	Vatea	111
TL54	Dario	31	U60/500	Mazda	146			
TL413	Dario	31	U65/550	Mazda	146	V3	Ostar-Ganz	81
TM14	Dario	153	U70	MOV	145	V20, V20s	Tungsram	151
TP3	Tela-Radio	93	U71	MOV	145	V20/7000	Tungsram	151
TP3	Vita	111	U74	MOV	145	V24	Quikko	84
TP4	Mullard	79	U75/300	Mazda	146	V30	Tungsram	151
TP22	Mazda	64	U76	MOV	145	V60	Triotron	156
TP23	Mazda	64	U134	MOV	145	V90	Dario	143
TP25	Mazda	64	U201	Mazda	146	V99	US	122
TP26	Mazda	64	U222	Ediswan	143	V105	Dario	143
TP230	Hivac	43	U403	Mazda	146	V165	Dario	143
TP1340	Mazda	64	U625	Lissen	144	V257 = CV1723	Mazda	64
TP2620	Mazda	64	U650	Lissen	144	V312	Mazda	64
TS4	Triotron	99	U920	Ostar-Ganz	81	V339 = CV3767	Mazda	64
TS215	Mazda	64	U4020	Mazda	146	V430	Tungsram	151
TSE4	Mullard	79	UD2	Triotron	99	V453	Mazda	64
TSP4	Mullard	79	UD4	Triotron	99	V495	Tungsram	151
TT4	Mullard	79	UD41	Mazda	146	V503 = PA40	Mazda	64
TT4A	Mullard	79	UDH	Clarion	141	V872	Mazda	64
TV4	Mullard	154	UF4	Clarion	141	V914	Mazda	64
TV4A	Mullard	154	UF41	Clarion	141	V1135B	Mazda	64
TV6 = EM1	Mullard	154	UFC	362	95	V1505	Ediswan	33

V1505	Mazda	65	VP13A	Mullard	79	VR91	RAF	130
V2018	Tungsram	151	VP13B	Tungsram	110	VR91A	RAF	130
V2118	Tungsram	151	VP13C	Mullard	79	VR92	RAF	130
V3880	Dario	143	VP13K	Tungsram	110	VR95	RAF	130
V4001	Dario	143	VP20	Mullard	79	VR95A	RAF	130
VD213	Valco	111	VP21	MOV	57	VR99	RAF	130
VDP1	MOV	56	VP22	Mazda	65	VR99A	RAF	130
VDS	MOV	56	VP23	Mazda	65	VR100	RAF	130
VDSB	MOV	56	VP41	Ekco	34	VR101	RAF	130
VFT4	Ferranti	153	VP41	Mazda	65	VR102	RAF	130
VFT6	Ferranti	153	VP133	Mazda	65	VR106	RAF	130
VG45	Ostar-Ganz	148	VP210	Mazda	65	VR106A	RAF	130
VHFP	Radio Record	87	VP215	Hivac	43	VR107	RAF	130
VHP2	Clarion	16	VP215	Mazda	65	VR107A	RAF	130
VHP2	Radio Record	87	VP215b	Hivac	43	VR108	RAF	130
VHP13	Clarion	16	VP215c	Hivac	43	VR108A	RAF	130
VHFP/13	Radio Record	87	VP1320	Mazda	65	VR109	RAF	130
VHFP/13L	Radio Record	87	VP1321	Mazda	65	VR109A	RAF	130
VHT2	Ferranti	38	VP1322	Mazda	65	VR116	RAF	130
VHT2A	Ferranti	38	VPT2 (4&7pin)	Ferranti	38	VR117	RAF	130
VHT4	Ferranti	38	VPT4	Ferranti	38	VR117A	RAF	130
VHTA	Ferranti	38	VPTA	Ferranti	38	VR118	RAF	130
VHTS	Ferranti	38	VPT4B	Ferranti	38	VR119	RAF	130
VI 77	RAF	129	VPTS	Ferranti	38	VR122	RAF	130
VI 103	RAF	129	VPU1	Ekco	34	VR123	RAF	130
VLS2	Radion	85	VR17	RAF	129	VR124	RAF	130
VLS350	STC	92	VR18	RAF	129	VR125	RAF	130
VLS407	STC	92	VR19	RAF	129	VR126	RAF	130
VLS417-B	STC	92	VR20	RAF	129	VR129	RAF	130
VLS452	STC	92	VR21	RAF	129	VR130	RAF	131
VM Screenodion	Dario	31	VR22	RAF	129	VR130A	RAF	131
VM Super Screen.	Dario	31	VR23	RAF	129	VR135	RAF	131
VM4V	Mullard	79	VR23A	RAF	129	VR136	RAF	131
VME4	Tungsram	154	VR25	RAF	129	VR137	RAF	131
VMP4 (5&7pin)	MOV	56	VR26A	RAF	129	VR502	RAF	131
VMP4G	MOV	56	VR27	RAF	129	VR503	RAF	131
VMP4/k (Catkin)	MOV	56	VR28	RAF	129	VR505	RAF	131
VMS4	MOV	56	VR32	RAF	129	VS2	362	95
VMS4 (Catkin)	MOV	56	VR35	RAF	129	VS2	Clarion	16
VMS4B	MOV	57	VR37	RAF	129	VS2	Ferranti	38
VO2, VO2s	Tungsram	110	VR38	RAF	129	VS2	Graham-Farish	41
VO4, VO4s	Tungsram	110	VR40	RAF	129	VS2	Radio Record	87
VO6s	Tungsram	110	VR41	RAF	129	VS4	362	95
VO13, VO13	Tungsram	110	VR43	RAF	129	VS6	362	95
VP2	362	95	VR44	RAF	129	VS24	MOV	57
VP2	Graham-Farish	41	VR45	RAF	129	VS24/k	MOV	57
VP2	Mullard	79	VR49	RAF	129	VS210	Hivac	43
VP2B	Mullard	79	VR53	RAF	129	VS215	Hivac	43
VP2B, VP2Bs	Tungsram	110	VR54	RAF	129	VSGA1	Micromesh	66
VP2c	362	95	VR55	RAF	129	VT10	Post Office	134
VP2D (4&7pin)	Tungsram	110	VR56	RAF	129	VT11	Post Office	134
VP4 (5&7pin)	Mullard	79	VR57	RAF	129	VT12	Post Office	134
VP4, VP4s	Tungsram	110	VR57A	RAF	129	VT13	Post Office	134
VP4A (5&7pin)	Mullard	79	VR59	RAF	129	VT14	Post Office	134
VP4A	Tungsram	110	VR65	RAF	129	VT15	Post Office	134
VP4B	Mullard	79	VR65A	RAF	129	VT16	Post Office	134
VP4B	Tungsram	110	VR66	RAF	129	VT17	Post Office	134
VP4C	Tungsram	110	VR67	RAF	130	VT18	Post Office	134
VP6, VP6s	Tungsram	110	VR78	RAF	130	VT19	Post Office	134
VP13	Hivac	43	VR82	RAF	130	VT20	Post Office	134
VP13, VP13s	Tungsram	110	VR83	RAF	130	VT20	RAF	131

VT21	Post Office	134	VT60	RAF	131	VT98	RAF	132
VT22	Post Office	134	VT60A	RAF	131	VT98A	RAF	132
VT23	Post Office	134	VT61	Post Office	135	VT99	Post Office	137
VT23	RAF	131	VT61	RAF	131	VT100	Post Office	137
VT23A	RAF	131	VT61A	RAF	131	VT100B	Post Office	137
VT24	Post Office	134	VT61B	RAF	131	VT102	Post Office	137
VT25	Post Office	134	VT62	Post Office	135	VT103	Post Office	137
VT25	RAF	131	VT62	RAF	131	VT103B	Post Office	137
VT25A	RAF	131	VT63	Post Office	135	VT104	Post Office	137
VT26	Post Office	134	VT64	Post Office	136	VT104	RAF	132
VT26	RAF	131	VT65	Post Office	136	VT105	Post Office	137
VT26A	RAF	131	VT66	Post Office	136	VT105	RAF	132
VT27	Post Office	134	VT67	Post Office	136	VT106	Post Office	137
VT28	Post Office	134	VT68	Post Office	136	VT106	RAF	132
VT29	Post Office	134	VT69	Post Office	136	VT106A	RAF	132
VT30	Post Office	134	VT72	Post Office	136	VT107	Post Office	137
VT30	RAF	131	VT72	Post Office	136	VT108	Post Office	137
VT31	Post Office	134	VT73	Post Office	136	VT109	Post Office	137
VT31	RAF	131	VT73	RAF	131	VT110	Post Office	137
VT31B	Post Office	134	VT73A	Post Office	136	VT111	Post Office	137
VT32A	Post Office	134	VT74	Post Office	136	VT112	Post Office	137
VT32B	Post Office	134	VT74	RAF	132	VT113	Post Office	137
VT32D	Post Office	134	VT75	Post Office	136	VT114	Post Office	137
VT33	Post Office	134	VT75	RAF	132	VT114	RAF	132
VT34	Post Office	134	VT75A	Post Office	136	VT114A	RAF	132
VT34	RAF	131	VT75A	RAF	132	VT115	Post Office	137
VT35	Post Office	134	VT75B	RAF	132	VT116	Post Office	137
VT36	Post Office	135	VT76	Post Office	136	VT116A	Post Office	137
VT37	Post Office	135	VT76	RAF	132	VT118	RAF	132
VT37A	Post Office	135	VT77	Post Office	136	VT118A	Post Office	137
VT37B	Post Office	135	VT78	Post Office	136	VT118B	Post Office	137
VT37C	Post Office	135	VT79	RAF	132	VT119	Post Office	137
VT38	Post Office	135	VT79A	Post Office	136	VT120	Post Office	137
VT38A	Post Office	135	VT80	Post Office	136	VT121A	Post Office	137
VT39	Post Office	135	VT80	RAF	132	VT122	Post Office	137
VT40	Post Office	135	VT80A	Post Office	136	VT123	Post Office	138
VT41	Post Office	135	VT81	Post Office	136	VT125	Post Office	138
VT44	Post Office	135	VT81	RAF	132	VT126	Post Office	138
VT45	Post Office	135	VT82	Post Office	136	VT127	Post Office	138
VT45	RAF	131	VT83	Post Office	136	VT127	RAF	132
VT46	Post Office	135	VT84	Post Office	136	VT127A	Post Office	138
VT46	RAF	131	VT85	Post Office	136	VT128	Post Office	138
VT47	Post Office	135	VT86	Post Office	136	VT130	Post Office	138
VT47	RAF	131	VT87	Post Office	136	VT131	Post Office	138
VT49	Post Office	135	VT88	Post Office	136	VT132	Post Office	138
VT50	Post Office	135	VT88	RAF	132	VT133	Post Office	138
VT50	RAF	131	VT89	Post Office	136	VT136	Post Office	138
VT51	Post Office	135	VT89	RAF	132	VT137	Post Office	138
VT51	RAF	131	VT90	Post Office	136	VT138	Post Office	138
VT52	Post Office	135	VT90	RAF	132	VT139	Post Office	138
VT52	RAF	131	VT91	Post Office	136	VT140	Post Office	138
VT53	Post Office	135	VT92	Post Office	136	VT142	Post Office	138
VT54	Post Office	135	VT93	Post Office	136	VT143	Post Office	138
VT55	Post Office	135	VT93	RAF	132	VT144	Post Office	138
VT56	Post Office	135	VT94	Post Office	136	VT145	Post Office	138
VT57	Post Office	135	VT94	RAF	132	VT146	Post Office	138
VT58	Post Office	135	VT95	Post Office	136	VT147	Post Office	138
VT58	RAF	131	VT96	Post Office	137	VT148	Post Office	138
VT58A	RAF	131	VT96	RAF	132	VT149	Post Office	138
VT59	Post Office	135	VT97	Post Office	137	VT150	Post Office	138
VT60	Post Office	135	VT98	Post Office	137	VT150A	Post Office	138

VT151	Post Office	138	VU71A	RAF	133	XD4	Triotron	99
VT152	Post Office	138	VU72	RAF	133	XHH	Hivac	43
VT153	Post Office	138	VU111	RAF	133	XL	Hivac	43
VT154	Post Office	138	VU113	RAF	133	XP	Hivac	43
VT155	Post Office	139	VU120	RAF	133	XP2	Graham-Farish	41
VT156	Post Office	139	VU133	RAF	133	XSG	Hivac	44
VT157	Post Office	139	VU134	RAF	133	XSGSW	Hivac	44
VT158	Post Office	139	VU508	RAF	133	XY	Hivac	44
VT159	Post Office	139	VW36	RAF	133			
VT160	Post Office	139	VW42	RAF	133	Y13	Hivac	44
VT161	Post Office	139	VW48	RAF	133	Y61	MOV	153
VT162	Post Office	139	VX2, VX2s	Tungsram	110	Y62	MOV	153
VT163	Post Office	139	VX4s	Tungsram	110	Y63	MOV	153
VT164	Post Office	139	VX6s	Tungsram	110	Y64	MOV	153
VT165	Post Office	139				Y65	MOV	153
VT166	Post Office	139	W21 (4&7pin)	MOV	57	Y73	MOV	153
VT167	Post Office	139	W30 (Catkin)	MOV	57/	Y220 (CD)	Hivac	44
VT168	Post Office	139	W31	MOV	57	Y220 (Pentode)	Hivac	44
VT169	Post Office	139	W42	MOV	57	Y230	Hivac	44
VT170	Post Office	139	W63	MOV	57	YD 02	Triotron	99
VT171	Post Office	139	W76	MOV	57	YD2	Triotron	99
VT177	Post Office	139	W213	Triotron	99	YD4	Triotron	99
VT178	Post Office	139	W310	Ostar-Ganz	81	YG5	Triotron	99
VT179	Post Office	139	W412	Triotron	99	YG6	Triotron	100
VT180	Post Office	139	W415N	Triotron	99	YN4	Triotron	100
VT181	Post Office	139	W420	Triotron	99			
VT182	Post Office	139	WD2	Triotron	99	Z14	MOV	58
VT183	Post Office	139	WD4	Triotron	99	Z21	MOV	58
VT185	Post Office	139	WD30	MOV	57	Z22	MOV	58
VT186	Post Office	139	WD40	MOV	57	Z26	Hivac	44
VT187	Post Office	139	WG4	Triotron	99	Z62	MOV	58
VT188	Post Office	139	WG33	Loewe	48	Z63	MOV	58
VT189	Post Office	139	WG34	Loewe	48	Z66	MOV	58
VT190	Post Office	139	WG35	Loewe	48	Z220 (Pentode)	Hivac	44
VT191	Post Office	139	WG36	Loewe	48	Z220 (CD)	Hivac	44
VT193	Post Office	139	WG37	Loewe	48	ZA1	MOV	58
VT194	Post Office	139	WN4	Triotron	99	ZA2	MOV	58
VT195	Post Office	139				ZD	Ferranti	38
VT196	Post Office	140	X14	MOV	57	ZD2	Triotron	100
VT197	Post Office	140	X21	MOV	57	ZD4	Triotron	100
VT198	Post Office	140	X22	MOV	57			
VT199	Post Office	140	X23	MOV	57			
VT200	Post Office	140	X24, X24M	MOV	57			
VT201	Post Office	140	X30	MOV	57			
VT202	Post Office	140	X31	MOV	57			
VT203	Post Office	140	X32	MOV	57			
VT204	Post Office	140	X41	MOV	57			
VT205	Post Office	140	X41C	MOV	57			
VT206	Post Office	140	X42	MOV	57			
VT207	Post Office	140	X61M	MOV	58			
VT501	RAF	132	X62	MOV	58			
VT501A	RAF	132	X63, X63M	MOV	58			
VT506	RAF	132	X64	MOV	58			
VT509	RAF	132	X65	MOV	58			
VT510	RAF	132	X66 = CV1099	MOV	58			
VT513	RAF	132	X71M	MOV	58			
VU33	RAF	132	X73M	MOV	58			
VU39	RAF	132	X75	MOV	58			
VU39A	RAF	132	X76M	MOV	58			
VU64	RAF	133	X99	US	122			
VU71	RAF	133	XD	Hivac	43			