

OSRAM

TYPE No.	Base	Description	Function	Filament		Max Plate	Rec Plate	Plate	Screen	Bias	gm	ra	μ
				Volts	Amps	Volts	Volts	M/amps			Volts	Volts	
EARLY BATTERY TRIODES													
DE1	B4	Triode	RF amplifier	1.8	0.36	45	30-45				0.22	40,000	9
DE2	B4	Triode	RF amplifier	1.8	0.24	45	30-45				0.22	40,000	9
DE2HF	B4	Triode	RF amplifier	1.8	0.12	100	40-100		1.5		0.27	45,000	12
DE2LF	B4	Triode	AF amplifier/Detector	1.8	0.12	80	20-80		4.5		0.32	22,000	7
DE3	B4/UX	Triode	AF amplifier/Detector	2.8	0.06	90	20-80		4.5		0.32	22,000	7
DE3B	B4	Triode	RF amplifier/RC coupling	2.8	0.06	120	70-120		1.5		0.34	50,000	17
DE4	B4	Triode	AF amplifier/Power	4.0	0.3	120	20-120		4.5		0.64	11,000	7
DE5	B4/UX	Triode	Power amplifier	5.0-6.0	0.25	120	20-120		4.5		0.88	8,000	7
DE5A	B4/UX	Triode	Power amplifier	5.0-6.0	0.25	120	60-120		12		0.88	4,000	3.5
DE5B	B4/UX	Triode	RCC amplifier	5.0-6.0	0.25	120	60-120		2		0.67	30,000	20
DE6	B4	Triode	Power amplifier	2.0	0.5	120	60-120		6		0.55	10,000	5.5
DE8HF	B4/UX	Triode	RF amplifier/Detector	6.0	0.12	120	20-120		1.5		0.64	25,000	16
DE8LF	B4/UX	Triode	AF amplifier/Power	6.0	0.12	120	20-100		4.5		0.88	8,000	7
DEH210	B4/UX	Triode	RF amplifier/Detector	2.0	0.1	150	150				0.7	50,000	35
DEL210	B4/UX	Triode	General purpose	2.0	0.1	135	120				0.53	17,000	9
DEP215	B4/UX	Triode	Power amplifier	2.0	0.15	135	120				1	6,300	6.3
DEP240	B4/UX	Triode	Power amplifier	2.0	0.4	150	150				1.6	2,500	4
DEH410	B4/UX	Triode	RF amplifier/Detector	4.0	0.1	150	150				1.65	60,000	40
DEL410	B4/UX	Triode	AF amplifier	4.0	0.1	150	150				1.75	8,500	15
DEP410	B4/UX	Triode	Power amplifier	4.0	0.1	150	150				1.5	5,000	7.5
DEH610	B4/UX	Triode	RF amplifier/Detector	6.0	0.1	150	150				1.62	65,000	40
DEH612	B4/UX	Triode	General purpose	6.0	0.1	150	150				0.6	33,000	20
DEL610	B4/UX	Triode	General purpose	6.0	0.1	135	120				1.15	13,000	15
DEL612	B4/UX	Triode	AF amplifier	6.0	0.12	100	80				0.78	9,000	7
DEP610	B4/UX	Triode	Power amplifier	6.0	0.1	135	100				1.6	4,500	7
DER	B4	Triode	General purpose	1.8	0.35	80	30-50		3		0.28	32,000	9
DEV	4C Spec.	Triode	RF amplifier/Detector	3.0	0.2	60	20-60		3		0.25	24,000	6
LS3	B4	Triode - BE	Power amplifier	4.0	0.7	120	60-120				0.38	12,000	4.5
LS5	B4	Triode	Power amplifier	4.5-5.5	0.8	400	60-400		8		0.83	6,000	5
LS5A	B4	Triode	Power amplifier	4.25-5.5	0.8	400	60-400		20		0.91	2,750	2.5
LS5B	B4	Triode	General purpose	4.25-5.25	0.8	400	60-400		3		0.8	25,000	20

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				Volts	Amps						ma/V	Ohms	
2 VOLT													
H210	B4	Triode	R/C coupling	2.0	0.1	150		1		1.5	0.7	50,000	35
HL2	B4/UX	Triode	General purpose	2.0	0.1	150	100-150	1.25		1.5	1.5	18,000	27
HL2K	B4	Triode	General purpose	2.0	0.1	150		1.75		3	1.5	18,000	27
HL210	B4	Triode	RF amplifier/Detector	2.0	0.1	150		1.9		3	0.87	23,000	20
L210	B4	Triode	General purpose	2.0	0.1	150		4		6	0.92	12,000	11
P215	B4	Triode	Small power	2.0	0.15	150		6		13.5	1.4	5,000	7
P240	B4	Triode	Super power	2.0	0.4	150		17		24	1.6	2,500	4
S215	B4	Screen Grid	RF amplifier	2.0	0.15	150			90	1	0.85	200,000	170
PT240	B5	Pentode	RF amplifier	2.0	0.4	150		16	150	9	2.5	50,000	125
4 VOLT													
H410	B4	Triode	R/C coupling	4.0	0.1	150		0.7		1.5	0.67	60,000	40
HL410	B4	Triode	RF amplifier/Detector	4.0	0.1	150		2.2		1.5	0.83	30,000	25
L410	B4	Triode	General purpose	4.0	0.1	150		3.9		4.5	1.77	8,500	15
P410	B4	Triode	Small power	4.0	0.1	150		9		10.5	1.5	5,000	7.5
P415	B4	Triode	Power output	4.0	0.15	150		17		16.5	2.4	2,100	5
P425	B4/UX	Triode	Super power	4.0	0.25	150		17		16.5	2	2,300	4.6
PX4	B4/UX	Triode	Large power	4.0	0.6	200					3.3	1,050	3.5
PX25	B4/UX	Triode	Large power	4.0	2	400	300-400	62.5		31	8	1,265	9.5
S410	B4	Screen Grid	RF amplifier	4.0	0.1	150			150		0.9	200,000	180
PT425	B5	Pentode	RF amplifier	4.0	0.25	200			150		2	50,000	100
6 VOLT													
H610	B4	Triode	R/C coupling	6.0	0.1	150		0.6		1.5	0.67	60,000	40
HL610	B4	Triode	RF amplifier/Detector	6.0	0.1	150		1.9		1.5	1	30,000	30
L610	B4	Triode	General purpose	6.0	0.1	150		6.5		3	2	7,500	15
P610	B4	Triode	Small power	6.0	0.1	150		9.5		9	2.3	3,500	8
P625	B4/UX	Triode	Super power	6.0	0.25	250		24		24	2.5	2,400	6
P625A	B4/UX	Triode	Super power	6.0	0.25	200	180	28		30	2.3	1,600	3.7
S610	B4	Screen Grid	RF amplifier	6.0	0.1	150			90		1.05	200,000	210
S625	B3+B2	Screen Grid	RF amplifier	6.0	0.25	180			120		0.63	175,000	110
PT625	B5	Power Pentode	Power output	6.0	0.25	250			200		1.85	43,000	80

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				Volts	Amps						ma/V	Ohms	
SPECIAL POWER													
LS5	B4	Triode	Special power	5.25	0.8	400					0.83	6,000	5
LS5A	B4	Triode	Special power	5.25	0.8	400					0.91	2,750	2.5
LS5B	B4	Triode	Special power	5.25	0.8	400					0.8	25,000	20
LS6A	B4/UX	Triode	Special power	6.0	1.6	400					2.3	1,300	3
DA60	Large 4	Triode	Special power	6.0	4	500					3	835	2.5
2.5 VOLT AC													
MY224	UY	Screen Grid	RF amplifier	2.5	1.75	180			75		1.05	400,000	420
MY227	UY	Triode	General purpose	2.5	1.75	180					1	9,000	9
MY235	UY	Screen Grid	General purpose	2.5	1.75	275	180-250	6.5	90	45	1.05	400,000	420
MX245	UX	Triode	Super power	2.5	1.5	250					1.85	1,900	3.5
4 VOLT AC													
MH4	B5/UY	Triode	RF amplifier/Detector	4.0	1	200					2.19	16,000	35
MHL4	B5/UY	Triode	General purpose	4.0	1	200					2.5	8,000	20
ML4	B5/UY	Triode	Small power	4.0	1	200					3	3,000	9
MS4	B5	Screen Grid	RF amplifier	4.0	1	200			70		1.1	500,000	550

**Max DC
m/a**

RECTIFIERS

MX280	UX	Full Wave	Rectifier	5.0	2	400							110
MX280	UX	Full Wave	Rectifier	5.0	2	350							125
U8	B4	Full Wave	Rectifier	7.5	2.4	500							120
U9	B4	Full Wave	Rectifier	4.0	1	250							75
GU1		Half Wave	Rectifier	4.0	3	1000							250

NOTE: Any suggestions or corrections to this list can be sent to me by email.

[EMAIL link](#)

Sources

- Listener In Set Constructor
- Queensland Radic 1927
- History of GEC and the Marconi Osram Valve Fin Stewart 1998
- British Radio Valves - The Vintage Years: 190 Keith R Thrower 1991