

COSSOR

TYPE No.	Base	Description	Function	Filament		Max Plate	Rec Plate	Plate	Screen	Bias	gm	ra	μ
				Volts	Amps	Volts	Volts	m/a			Volts	Volts	ma/V
EARLY BATTERY TRIODES													
P.1	B4	Triode	General purpose	4.0	0.75	120	30-120			3	0.27	25,000	7
P.2	B4	Triode (Red top)	RF amplifier/RC coupling	4.0	0.74	120	30-120			3	0.25	40,000	10
P.3	B4	Triode (Green top)	AF amplifier/Power	4.5	0.7	150	50-150			4.5	0.89	9,000	8
W.1	B4	Triode	AF amplifier/Detector	1.8	0.3	120	30-120			3	0.38	19,000	7.2
W.2	B4	Triode	RF amplifier/RC coupling	1.8	0.3	120	30-120			3	0.35	30,000	10.5
W.3	B4	Triode	Power output	1.8	0.5	150	50-150			4.5	0.62	13,000	8
BATTERY VALVES													
210 H.F.	B4/UX	Point One - red band	RF or Detector	2.0	0.1	150	120			4.5 ≈	0.5	44,000	20
210 L.F.	B4/UX	Point One - black band	General purpose & audio	2.0	0.1	150	120			4.5 ≈	0.83	12,000	10
210 P.	B4/UX	Stentor Two - green band	Power amplification	2.0	0.15	110	110			6 - 9		5,000	5
210 R.C.	B4/UX	Point One RC - blue band	R/C or choke coupling	2.0	0.1	150	120	1.3		1.5	0.57	70,000	40
210 S.G.	B4 spec.	Screen Grid	HF amplification	2.0	0.1	120	120						80
215 P.	B4/UX	Triode	Power amplification	2.0	0.15	150	125	7.5		6	2.25	4,000	9
215 S.G.	B4	Screen Grid	RF amplifier	2.0	0.15	150	120	2	60/80	1.5	1.1	300,000	330
220 P.	B4/UX	Triode	Power amplification	2.0	0.2	150	110				1	5,000	5
220 S.G.	B4/UY	Screen Grid	HF amplification	2.0	0.2	150	120					200,000	200
230 P.T.	B4/UY	Pentode	Power amplification	2.0	0.3	180	120	15	100/120	6	2	20,000	40
230 X.P.	B4/UX	Triode	Extra power, great volume	2.0	0.3	150						2,000	4
4 X.P.	B4/UX	Triode	Extra power	4.0	0.6	200	200	30/35		40	2.75	1,100	3
410 H.F.	B4/UX	Point One - red band	Radio frequency & detector	4.0	0.1	150	125	1.5		3	1	20,000	20
410 L.F.	B4/UX	Point One - black band	Detector/First AF stage	4.0	0.1	150	125	3.2		3	1.76	8,500	15
410 P.	B4/UX	Stentor Four - green band	Power amplification	4.0	0.1	150	125	7.5		7.5	2	4,000	8
410 R.C.	B4/UX	Point One RC - blue band	R/C or choke coupling	4.0	0.1	150	120	1.2		1.5	0.66	60,000	40
410 S.G.	B4/UY	Screen Grid	HF amplification	4.0	0.1	150	120	2.5	60/80	1.5	1	200,000	200
415 P.T.	B4/UY	Penthode	Power amplification	4.0	0.15	180	120	15	100/120	6	2	20,000	40
415 X.P.	B4/UX	Triode	Extra power, great volume	4.0	0.15	150	125	18		13.5	3	1,500	4.5
425 X.P.	B4/UX	Triode	Super power	4.0	0.25	150	150	11		13.5	3.5	2,000	7

610 H.F.	B4/UX	Point One - red band	Radio frequency & detector	6.0	0.1	150	125	1.5		3	1	20,000	20
610 L.F.	B4/UX	Point One - black band	General purpose & audio	6.0	0.1	150	125	3.4		3	2	7,500	15
610 P.	B4/UX	Stentor Six - green band	Power amplification	6.0	0.1	150	125	8		6	2.28	3,500	8
610 R.C.	B4/UX	Point One RC - blue band	R/C or choke coupling	6.0	0.1	150	125	1		1.5	0.8	60,000	50
610 X.P.	B4/UX	Triode	Extra power, great volume	6.0	0.1	150	150	23		15	2.5	2,000	5
610 S.G.	B4/UY	Screen Grid	RF amplifier	6.0	0.1	150	120	2.5		1.5	1	200,000	200
615 P.T.	B4/UY	Pentode	Output power	6.0	0.15	180	120	17	100/120	6	2	20,000	40
620 T.	B4/UX	Triode	Output power	6.0	1.6	400	350/400	50		65 -70	2.3	1,400	3.2
625 P.	B4/UX	Triode	Super power	6.0	0.25	200	200	17.5		15	2.8	2,500	7
680 H.F.	B4/UX	Triode	HV amplifier/Pwr detector	6.0	0.8	400	400	8		6	1.35	20,000	27
680 P.	B4/UX	Triode	Power amplification	6.0	0.8	400	400	25		40	0.92	6,000	5.5
680 X.P.	B4/UX	Triode	Super power	6.0	0.8	400	300/400	25		125	1.1	2,750	3

TYPE No.	Base	Description	Function	Filament		Max Plate Volts	Rec Plate Volts	Plate M/amps	Screen Volts	Bias Volts	gm ma/V	ra Ohms	μ
				Volts	Amps								

INDIRECTLY HEATED A.C. VALVES

41 M.S.G.	B5	Screen Grid	RF amplifier	4.0	1	200	150	0.5	60/80	1.5	2.5	400,000	1000
41 M.H.F.	B5	Triode	RF amplifier/Detector	4.0	1	200	120	2.5		1.5	2.3	14,000	32
41 M.R.C.	B5	Triode	R/C amplifier/Detector	4.0	1	200	120	2.4		1.5	1.75	20,000	35
41 M.L.F.	B5	Triode	Audio amplifier	4.0	1	200	120	4		4.0	1.9	7,900	15
41 M.P.	B5	Triode	Power amplifier	4.0	1	200	120	6.5		4.5	2.6	5,000	13
41 M.X.P	B5	Triode	Super Power	4.0	1	200	150	17.5		15	3	2,000	6

AMERICAN REPLICAS

224C	B5/UY	Screen Grid	RF amplifier	2.5	1.75	180	150	4	75 -100	1.5	1.1	400,000	420
227C	UY	Triode	General purpose	2.5	1.75	200		8.8		12	1.5	6,000	9
245C	UX	Triode	Power amplifier	2.5	1.5	250	150	35		50	3.5	1,170	

RECTIFIER VALVES

								Max DC m/a					
280 C.	UX4	Full Wave	Rectifier	5.0	2	300		125					
44 S.U.	B4	Half Wave	Rectifier	4.0	0.4	200		20					
612 B.U.	B4	Full Wave	Rectifier	6.0	0.4	250		50					

TYPE No.	Base	Description	Function	Filament		Max Plate	Rec Plate	Max DC m/a
624 B.U.	B4	Full Wave	Rectifier	6.0	2	500		60
825 B.U.	B4	Full Wave	Rectifier	7.5	3	550		120

NOTE There are many more Cossor valves that are not usually seen in Australia.
If you require data on any Cossor valve not listed here, please email me and I will provide what data I have.

[EMAIL link](#)

Sources

A J Veall catalogue

Listener In Set Constructor

British Radio Valves - The Vintage Years: 1904-1925

Keith R Thrower 1999

Created

Art Courtney

6/07/2016