



Receiving valves power pentodes book 2 part 1

Type No.	Description	p_a max. (W)	V_a (V)	V_{g2} (V)	$-V_{g1}$ (V)	I_a (mA)	I_{g2} (mA)	g_m (mA/V)	V_h (V)	I_h (mA)	Base
§E810F (CV5809)	High Slope Wideband	5.0a	120	150	1.9	35	5.0	50	6.3	340	B9A
§E55L (CV5808)	High Slope Wideband	10a	125	125	3.0	50	5.5	45	6.3	600	B9D
PL504	Monochrome line output	12*	75	200	10	440	30	—	27	300	B9D
PL509	Colour Line output	30	160	160	0	1400	45	—	40	300	B9D
PL802	Video output	6.0	170	170	1.3	30	6.5	40	16	300	B9A

a Absolute Maximum Rating.

§ This is a Special Quality Type.

* See published data.

high voltage diodes

Type No.	Description	P.I.V. max. (kV)	I_a (av) max. (mA)	V_h (V)	I_h (mA)	Base
PY88	Booster diode	6.6	220	30	300	B9A
PY500A	Booster diode	5.6	440	42	300	B9D
DY802	E.H.T. rectifier	25	0.5	1.4	575	B9A

voltage indicator tube

Type No.	Type of Indication	Indicating Condition	V_g (V)	I_a (μ A)	$V_a(b)$ (V)	V_f (V)	I_f (mA)	Base
§DM160 (CV5412) (CV6094)	Fluorescent column	Max. light output Min. light output	0 -3.0	585 <5.0	50	1.0	30	Wired-in

§ This is a Special Quality Type.

electrometer valves

Type No.	Description	$-I_{g1}$ (A)	g_m (μ A/V)	μ	V_a (V)	V_{g2} (V)	V_{g1} (V)	I_a (μ A)	I_{f} or I_h (mA)	Base
CV432	Pentode	$<10^{-11}$ $<10^{-11}$	240a 300b	— 20b	45 45	+45a —	-2.0 -2.0	80a 100b	160 (4.5V)	Octal
CV495	Subminiature Triode	$<12.5 \times 10^{-14}$	80	2.0	9.0	—	-2.5	100	13	B5J/F
CV2730	Subminiature Tetrode	$<6.0 \times 10^{-15}$ ($-I_{g2}$)	17	1.2 (g_{2-a})	4.5	-3.2	+3.0	20	13	B5J/F
CV2348	Subminiature Pentode	$<8 \times 10^{-15}$	10.5	110 (g_{1-a})	10	+6.5	-2.5	5.0c	8.2	B5J/F
CV8144	Subminiature Triode with controlled I_a/I_g log characteristic	$<10^{-12}$	80	2.0	9.0	—	-2.7	100	14	B5J/F

a Pentode connected.

b Triode connected.

c $I_{g2} = 2.2 \mu$ A.

† V_f or $V_h = 1.25V$ unless otherwise stated.