
BRIMAR



POWER TRIODE TYPE P.A.1

The BRIMAR P.A.1 is an indirectly heated power output valve capable of supplying sufficient power to operate a moving coil speaker, with an input grid swing of 7.5 volts R.M.S.

This sensitivity compares very favourably with that of a pentode.

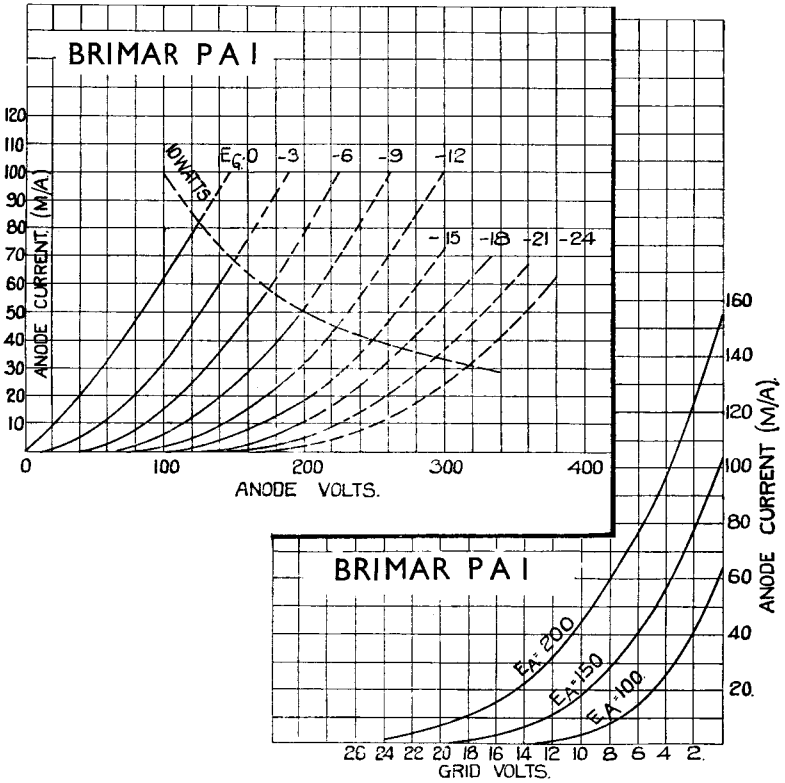
Grid bias is most conveniently derived by including a resistance in the cathode lead of approximately 260 ohms. This should be shunted by a condenser of at least 4 mfd. in order to utilise the full gain of the valve and preserve the lower register.

Anode Volts	100	150	200
Grid Bias (approx.)	-4.5	-6.5	-10.5
Anode Current mA.	23	35	40

VALVES

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CHARACTERISTICS



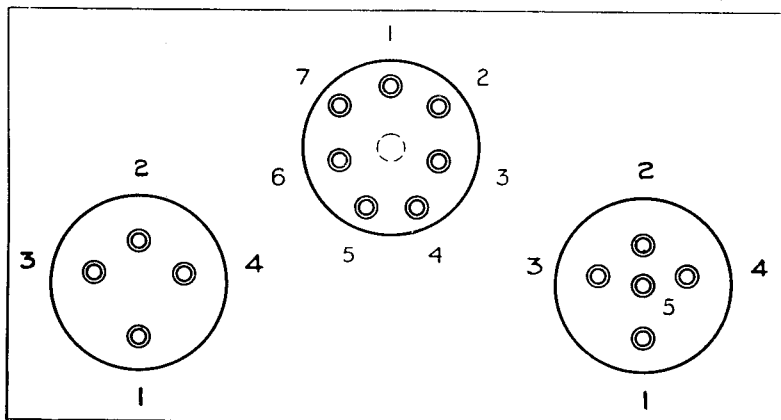
Heater Voltage	4.0 volts \pm 5%
Heater Current	1.0 amp.
Max. Anode Voltage	200 volts
Max. Anode Current	...	...	50 mA.
*Impedance	...	...	1,050 ohms
*Amplification Factor...	...	...	12.6
*Mutual Conductance	...	...	12 mA. per volt.
Optimum Load	4,000 ohms (approx.)

* Measured at anode volts 100, grid volts zero.

VALVES

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BASE CONNECTIONS OF VALVES



UNDERSIDE VIEW OF BASES
4-PIN VALVES

TYPE	1	2	3	4
HLB.1, PB.1	A	G	F.M	F
R.1, R.2, R.3, 1A.7	A1	A2	H	H.C
4037A.	A	—	F	F

5-PIN VALVES

TYPE	1	2	3	4	5	Top Cap
8A.1, 9A.1 ...	G2	G1	H	H	C.M	—
HLA.2, PA.1 ...	A	G	H	H	C.M	—
PenB.1, PenA.1 ...	A	G1	F	F	G2	—
4039A ...	A	G	H	H	C	—
ID5 ...	A	—	H	H	C	—

7-PIN VALVES

TYPE	1	2	3	4	5	6	7	Top Cap
4D.1 ...	—	—	—	H	H	C	A	G
7A.3, 7D.8, 7D.6, 7A.2, & 7D.3 ...	—	G1	G2	H	H	C	A	—
9D.2 ...	—	A	G3	H	H	C	G2	G1
11A.2, 11D.3	D1	M	D2	H	H	C	A	G1
15A.2, 15D.1	G2	G1	G3.G5	H	H	C	A	G4

A. Anode. G1, G2, G3, G4, 1st, 2nd, 3rd and 4th Grids.
F. Filament. H. Heater. C. Cathode. D1, D2, Diodes.
M. Metallising.

VALVES