



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.

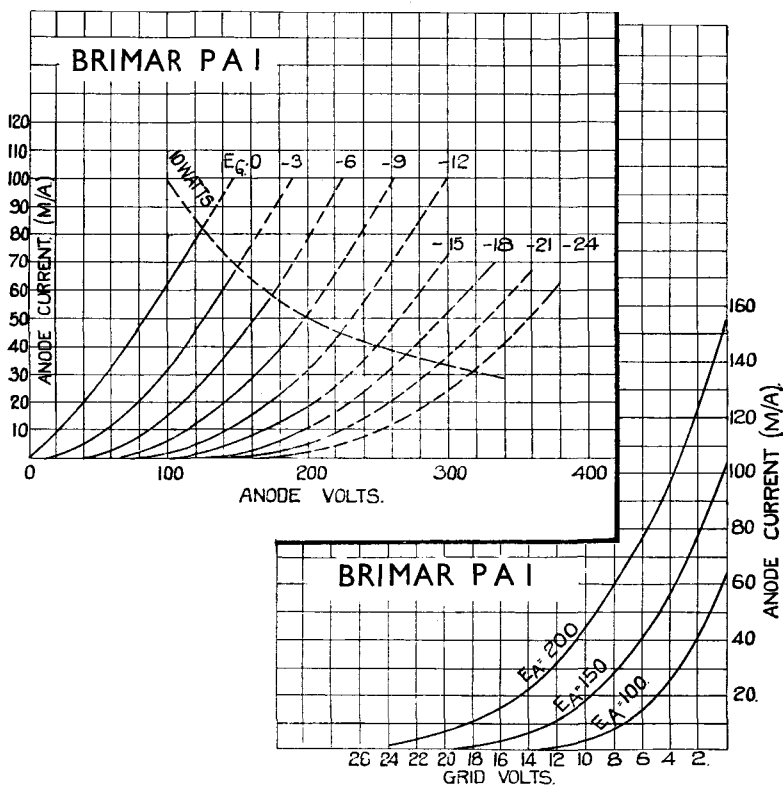
This sensitivity compares very favourably with that of a pentode.

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

BRIMAR

CHARACTERISTICS

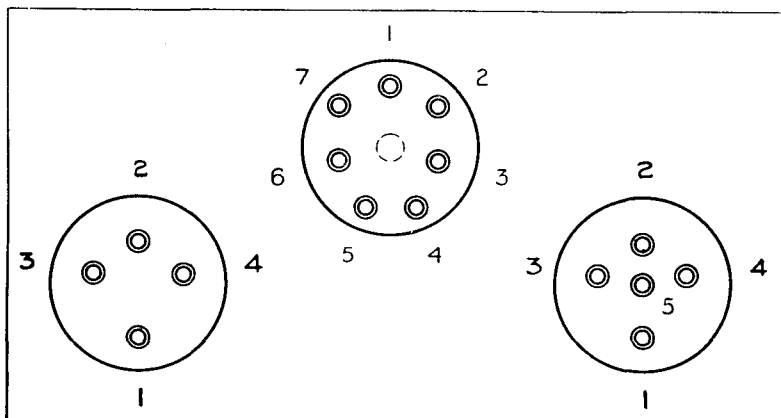


Heater Voltage	...	...	4.0 volts $\pm$ 5%
Heater Current	...	...	1.0 amp.
Max. Anode Voltage	...	...	200 volts
Max. Anode Current	...	...	50 mA.
* Impedance	...	...	1,050 ohms
* Amplification Factor...	...	...	12.6
* Mutual Conductance	...	...	12 mA. per volt.
Optimum Load	...	...	4,000 ohms (approx.)

* Measured at anode volts 100, grid volts zero.

VALVES

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	—
1D5 ...	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. Metallizing.