

POWER PENTODE TYPE 7A.2

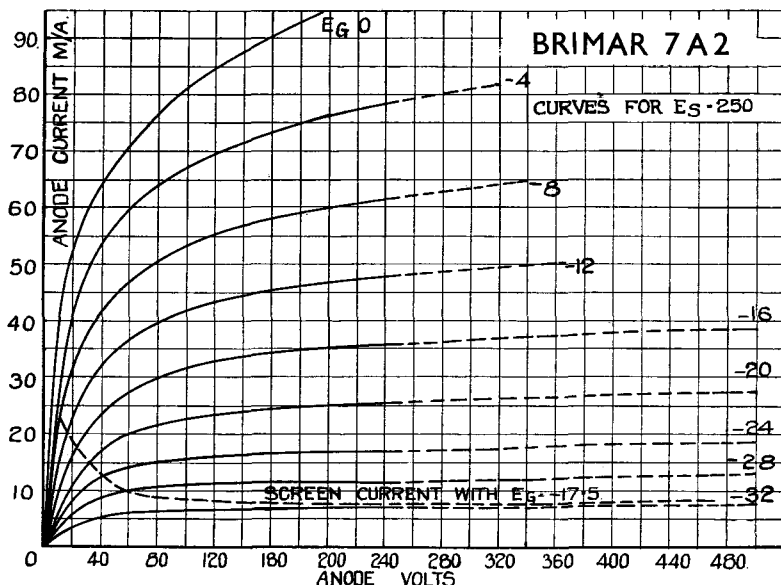
The BRIMAR type 7A.2 is an indirectly heated high efficiency power pentode capable of giving a large power output, with a grid input of approximately 10 volts R.M.S.

This output is more than sufficient to operate large moving coil speakers at considerable volume.

Automatic bias may be obtained by inserting a resistance of approximately 330 ohms in the cathode lead, this should be shunted by a condenser of at least 4 mfd., or a suitable filter network in order to utilise the full gain of the valve, and preserve the lower register.

BRIMAR

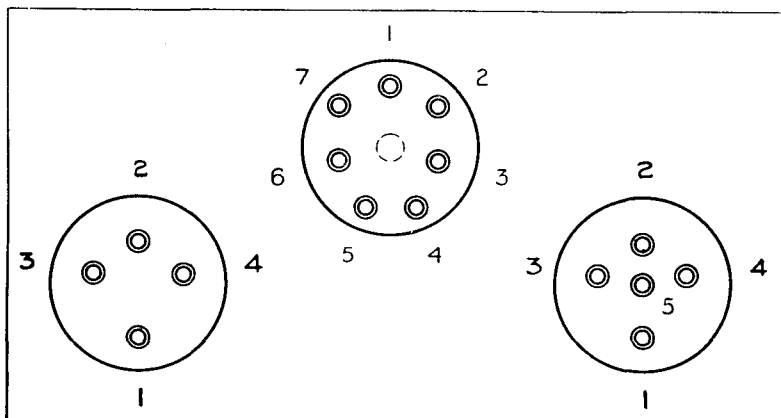
CHARACTERISTICS



Heater Voltage	...	...	4.0 volts $\pm 5\%$
Heater Current	...	...	1.2 amps.
Max. Anode Voltage	...	...	250 volts
Max. Screen Voltage	...	...	250 volts
Max. Anode Current	...	...	40 mA.
Normal Grid Bias	...	...	17.0 volts
Mutual Conductance	...	...	3.2 mA. per volt
Optimum Load	...	...	8,000 ohms (approx.)

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.