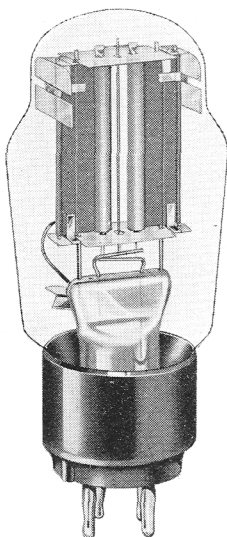

BRIMAR



RECTIFIER VALVES TYPES R.1, R.2, R.3, 1A.7

These BRIMAR rectifiers are all of the indirectly heated type, designed to give a long and useful life. Owing to the fact that these valves heat up at the same speed as the receiving valves, no undue voltage strain is thrown on the smoothing circuits, as is experienced with other types of rectification.

Full advantage is taken of the unique BRIMAR construction, which allows of adequate cooling of the anodes, resulting in an extremely long life. In addition, the close spacing of the electrodes reduces the impedance to a small value, resulting in a somewhat higher D.C. output than is possible with other types of rectifiers.

The 1A.7 is an exact electrical equivalent of the R.2, but is fitted in a smaller bulb, making the valve extremely useful where space is a major consideration.

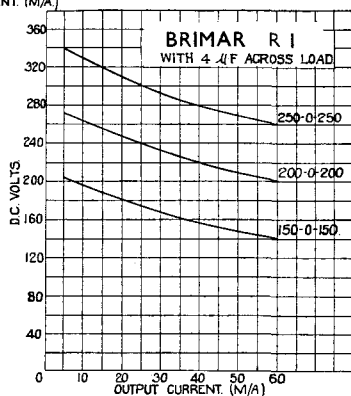
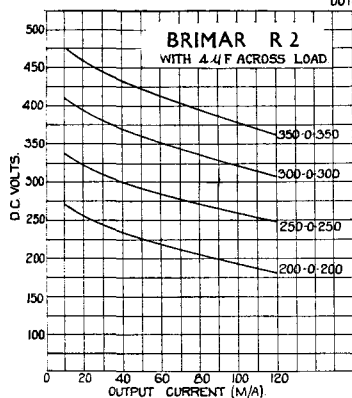
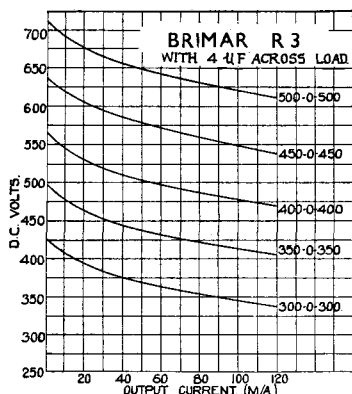
Curves and operation details are given overleaf.

The valves are fitted with four-pin bases, connections being as shown on page 51.

VALVES

BRIMAR

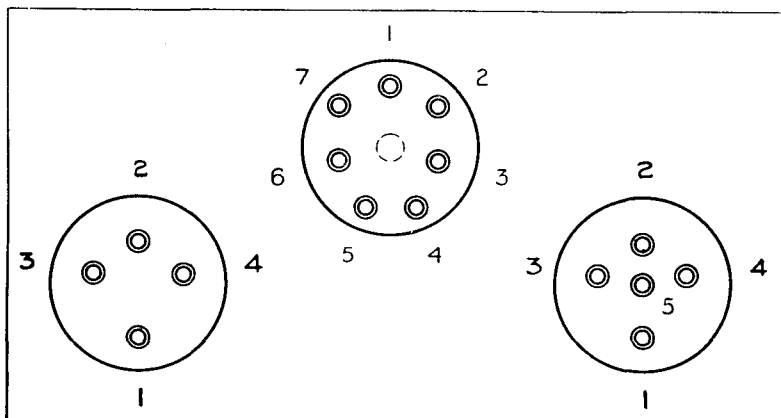
CHARACTERISTICS



	R.1	R.2	R.3	1A.7
Heater Volts	4.0	4.0	4.0	4.0
Heater Amps.	1.0	2.25	2.5	2.25
Max. Anode Voltage R.M.S. ...	250-0-250	350-0-350	500-0-500	350-0-350
Max. Rectified Current mA.	60	120	120	120

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.