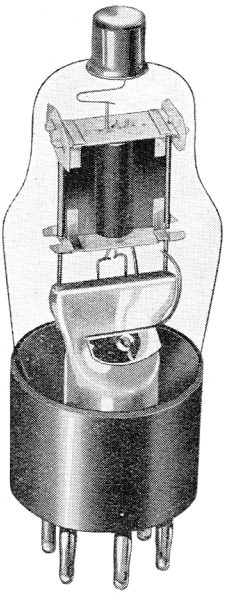


TRIODE

TYPE 4D.1

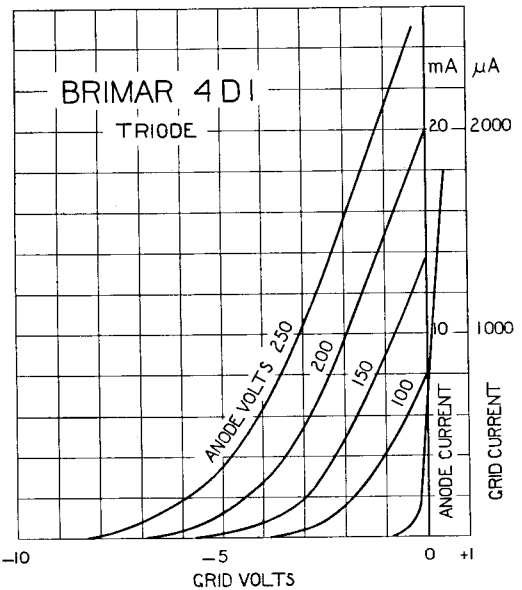
The BRIMAR 4D.1 is an indirectly heated triode suitable for use in A.C., universal, or automobile receivers.

It is eminently suitable for use as a detector of the grid leak and condenser or anode bend (grid biassed) type, operating details being given overleaf.

It will also perform very satisfactorily as a separate oscillator in receivers of the superheterodyne class.

When used as an L.F. Amplifier automatic bias is strongly recommended.

CHARACTERISTICS



Heater Voltage	13·0 volts
Heater Current	0·2 amps.
Anode Voltage (Max.)	250 volts
*Mutual Conductance	4·0 mA./V.
*Amplification Factor	40
*Impedance	10,000 ohms

* *Taken at anode volts* 100, *grid volts* 0

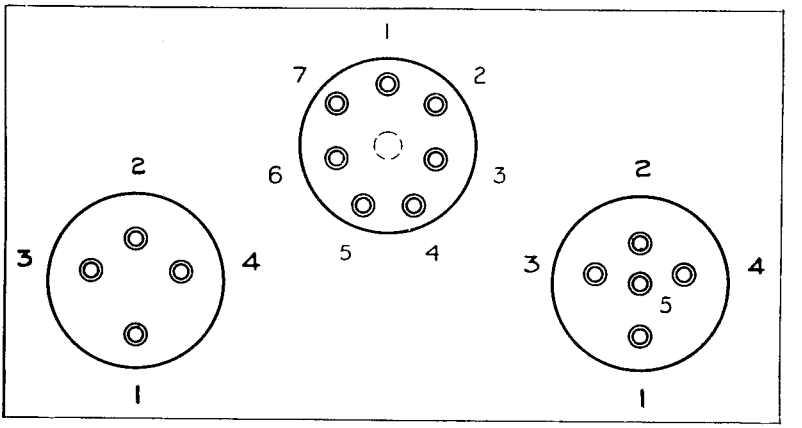
OPERATING DATA

Anode Voltage	200	150	100
Anode Current (mA.)	5·0	3·0	2·5
Grid Bias (volts)	–3·0	–2·5	–1·5

Auto Bias Resister (ohms) 800 as amplifier
20,000/200,000 as biassed detector.

Grid Leak detector	Anode volts	250
	Anode resistor	25,000 ohms
	Grid Condenser	·0002
	Grid Leak	1–2 megohms

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, 1*st*, 2*nd*, 3*rd and* 4*th Grids.*
F. *Filament.* H. *Heater.* C. *Cathode.* D1, D2, *Diodes.*
M. *Metallising.*