Osram

VALVES

MADE IN ENGLAND

MHD4 DOUBLE DIODE TRIODE

DESCRIPTION

Type MHD4 is an Indirectly Heated Valve suitable for use on A.C. Mains, and combining double diode and triode electrode systems on a common cathode.

The two diodes are enclosed within a metal shield joined to the cathode, providing an electrostatic screen.

RATINGS

Heater Voltage ...	4.0
Heater Current ...	1.0 amp. approx.

Triode :

	Max.		
Anode Voltage ...	250	200	100
Grid Voltage ...	−4	−3	−1
Anode Current average (mA) ...	4.0	3.8	2.8
Amplification Factor	measured at Va 100, Vg 0		40
Impedance			18,200 ohms.
Mutual Conductance			2.2 mA/volt

Diode :

With 0.5 megohm diode load resistance.

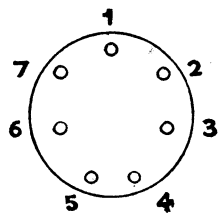
A.C. Volts R.M.S.	D.C. Volts Across Diode Load
5	5
10	12
15	19
20	25
25	32

Interelectrode Capacities (taken on metallised valve) :

Triode Grid to Anode ...	3.76 micro-mfds. approx.
Triode Grid to Cathode ...	2.42 ,, ,, ,,
Triode Anode to Cathode ...	4.64 ,, ,, ,,
Each diode anode to Triode grid ...	0.14 ,, ,, ,,
Diodes to all other electrodes ...	12.73 ,, ,, ,,

DIMENSIONS

Approximate overall length, including cap 125 mm.
Approximate max. diameter, 44.5 mm.



View looking on underside of base.

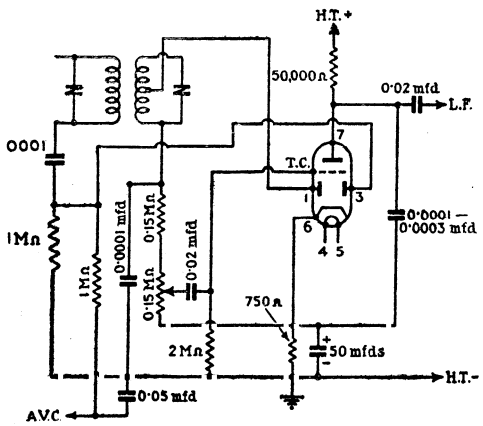
BASE

7-PIN

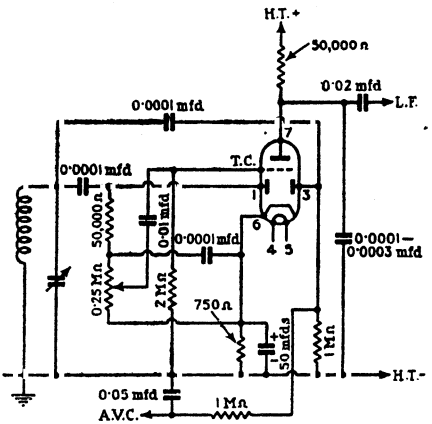
1 : Diode
2 : Metallising
3 : Diode
4 : Heater
5 : Heater
6 : Cathode
7 : Anode
Top Cap : Grid

Type MHD4 may be supplied in either plain or metallised bulb.

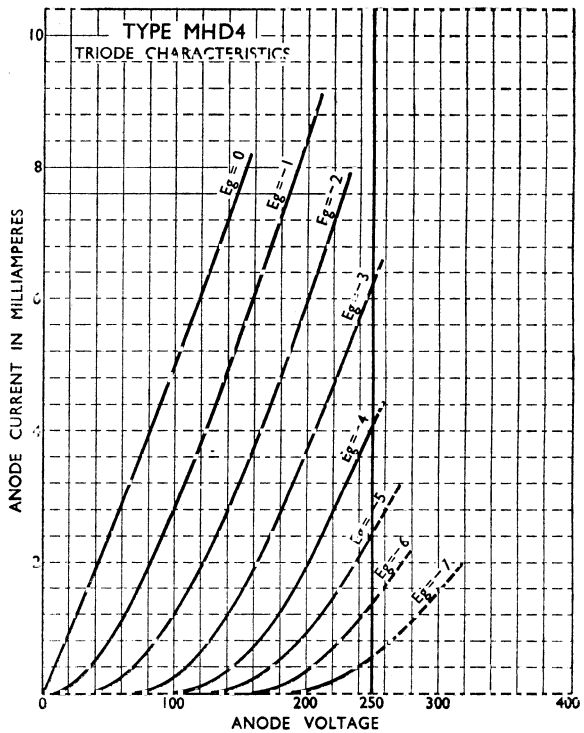
TYPE MHD4



SUPERHET CIRCUIT.



T.R.F. CIRCUIT.



CHARACTERISTIC CURVES OF AVERAGE VALVE.

THE GENERAL ELECTRIC CO., LTD.,
Head Office: Magnet House, Kingsway, London, W.C.2.

Printed in England. C. *Catalogue Supplement* **OV.8683** *Revised* **April, 1946**