

Osram Valves

Made in England



Maximum Dimensions :
Overall length (including pins)
112 m/m.
Diameter of bulb
45 m/m.

TYPE MH4

DETECTOR AND AMPLIFYING TRIODE

With Indirectly Heated Cathode

(For operation from A.C. Mains).

The OSRAM MH4 is a three-electrode valve of the indirectly Heated Cathode type recommended for use as a Detector, Amplifier, or Oscillator in A.C. Receivers designed for it. The features of high Amplification Factor combined with relatively high Mutual Conductance enable a high stage gain to be obtained. A further feature of the valve is its non-microphonic property which is of particular importance when applied to the Detector stage.

CHARACTERISTICS.

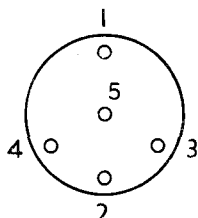
Heater Volts	4.0
Heater Current	1.0 amp. approx.
	Max.
Anode Volts	250 200 150 100
Grid Volts (in Amplifier)	-3 -2 -1.5
Anode Current average	4.7 m.a. 4.2 m.a. 2.5 m.a.
Amplification Factor	
Impedance	
Mutual Conductance	
	{ 40 11,100 ohms. 3.6 ma/volt measured at grid volts 0.
Automatic Grid Bias Resistance (in amplifier)	700 ohms.
Optimum Load Resistance	50,000 ohms.
Anode Dissipation	2.5 watts max.

Interelectrode Capacities :—

Grid—Anode (others earthed)	5.7 micro-microfarad approx.
Anode—other electrodes	6.5 " " "
Grid—other electrodes	7.0 " " "

(Taken with metallised bulb)

For prices see
pages 126-129.



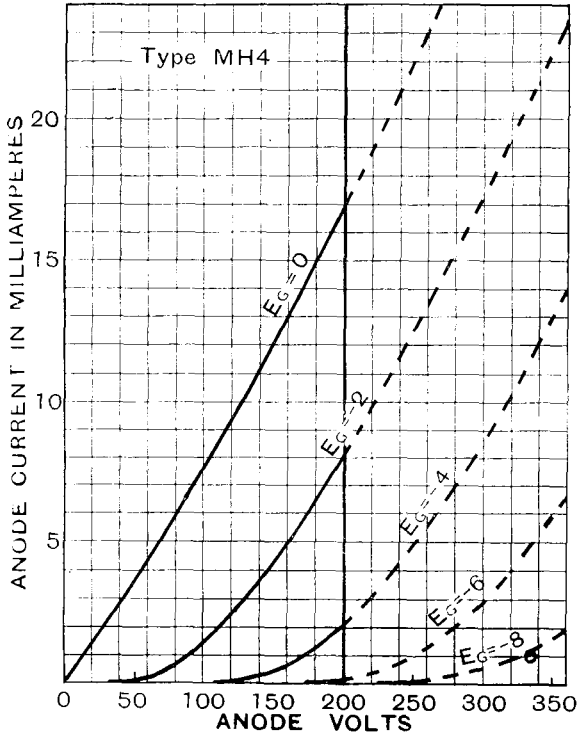
View of underside of base

BASE, 5-PIN.

- 1: Anode
- 2: Grid
- 3: Heater
- 4: Heater
- 5: Cathode and Metallising

Type MH4 has a carbonised bulb and can be supplied metallised if required.

TYPE MH4



CHARACTERISTIC CURVES
OF
AVERAGE VALVE.

