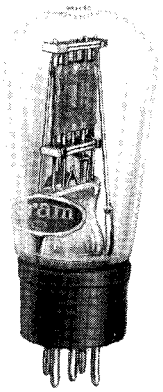
Osram Valves

Made in England.



Approx. Dimensions :
Overall length (including pins)
135 m/m.
Maximum diameter of bulb
51 m/m.

TYPE MH40

TRIODE FOR MICROPHONE AMPLIFIERS

(With Indirectly Heated Cathode).

The OSRAM MH40 is an Indirectly Heated Triode suitable for the initial stage of high gain amplifiers.

The outstanding features of type MH40 are its very low order of microphony and background noise, owing to the particularly rigid electrode construction and the use of steatite electrode insulators.

In addition, type MH40 has a high Amplification Factor and Mutual Conductance, thus enabling it to be used with microphones of the condenser, ribbon or velocity type where considerable magnification is required in the first stage.

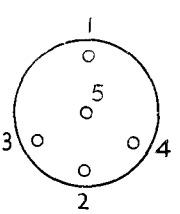
CHARACTERISTICS.

Heater Volts				4.0
Filament Current				1.0 amp. approx.
	Max.			
Anode Volts	200	150	100	
Grid Volts	−3	−2	−1.5	
Anode Current, average	2.7 ma.	2.3 ma.	1.0 ma.	
Amplification Factor				45
Impedance				18,750 ohms.
Mutual Conductance				2.4 ma/volt measured at E_A100. Grid Volts 0.
Automatic Grid Bias Resistance				1,000 ohms.
Optimum Load Resistance				50,000 ohms.

Interelectrode Capacities :

Grid—Anode (others earthed)	7.3 micro-microfarad approx.
Anode—other electrodes	4.0 ,, ,, ,,
Grid—other electrodes	6.0 ,, ,, ,,

For prices see pages 126-129.

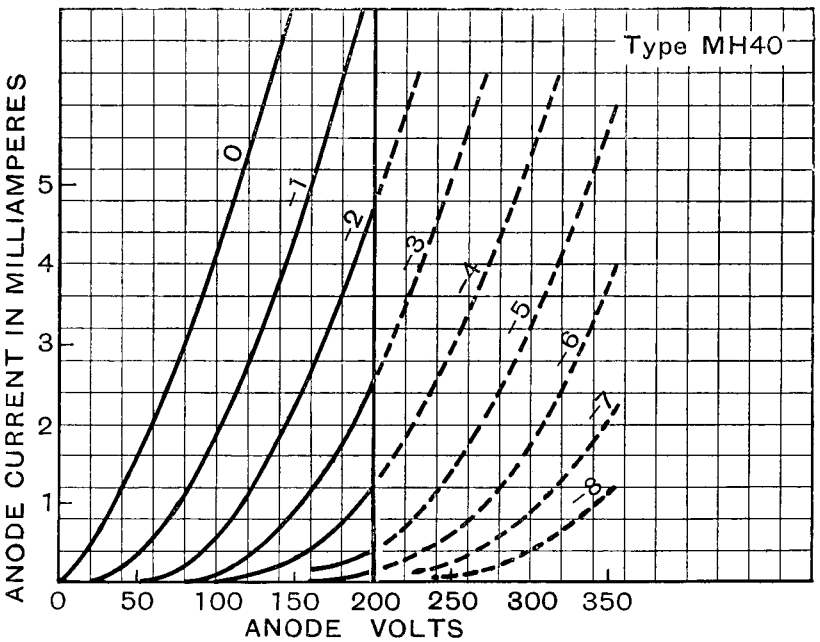


View looking on underside of base.

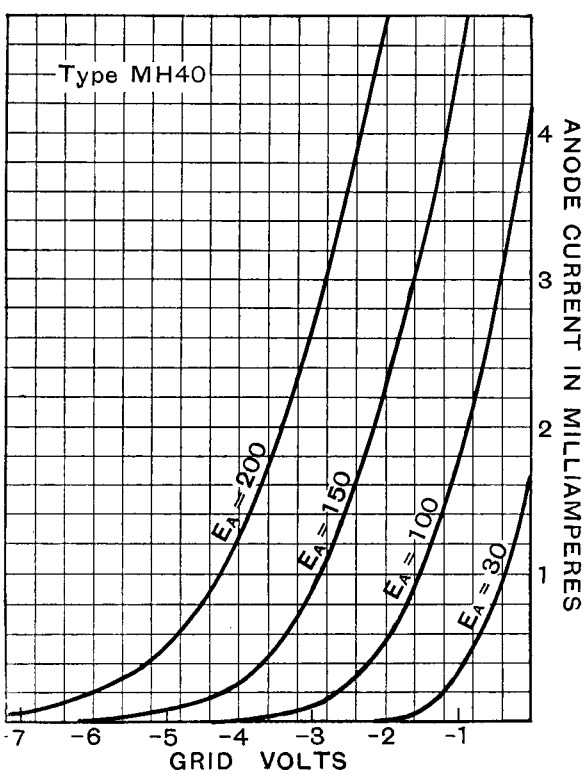
BASE, 5-PIN.

Pin 1 : Anode
2 : Grid
3 : Heater
4 : Heater
5 : Cathode

TYPE MH40



CHARACTERISTIC CURVES

OF

AVERAGE VALVE.