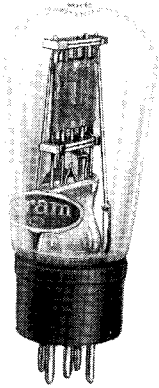


# Osram Valves

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.

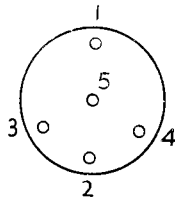
### CHARACTERISTICS.

Heater Volts .. .. .	4.0
Filament Current .. .. .	1.0 amp. approx.
Anode Volts .. .. .	Max. 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.

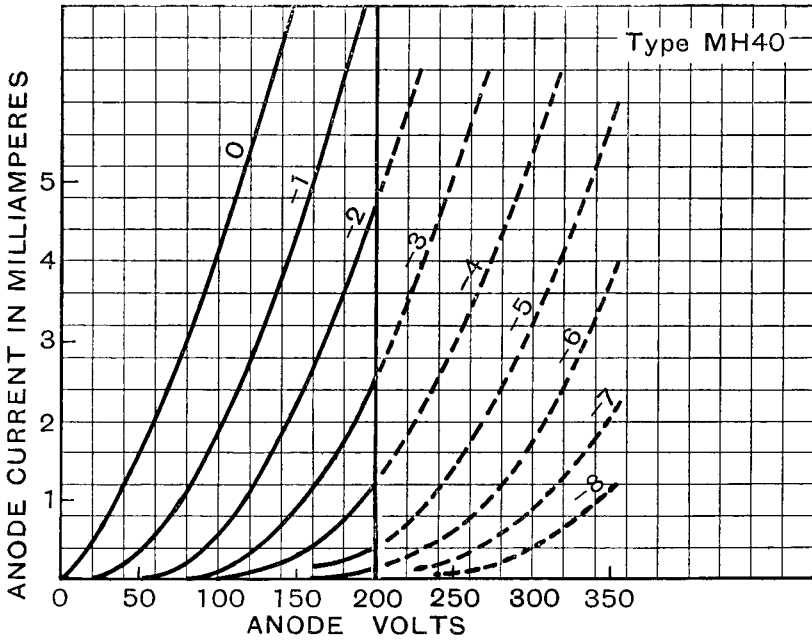


View looking on  
 underside of base.

### BASE, 5-PIN.

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

# TYPE MH40



CHARACTERISTIC CURVES  
OF  
AVERAGE VALVE.

