

Osram Valves

Made in England.



Maximum Dimensions :

Overall length (including pins)
130 m/m.

Diameter of bulb 51 m/m.

TYPE ML4

L.F. AMPLIFYING TRIODE

With Indirectly Heated Cathode

(For operation from A.C. mains).

The OSRAM ML4 is an Indirectly Heated Cathode Triode suitable for use :

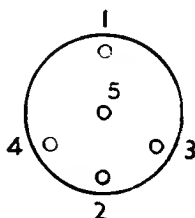
1. In the early stage of receivers or amplifiers fitted with a large Power valve in the output stage.
2. As a low gain Detector.
3. As a separate Oscillator in superhet. receivers.

The filament may be fed from the A.C. Main supply through a suitable transformer. The high mutual conductance of the ML4, coupled with its low Impedance, ensures a considerable stage gain and, if desired, the valve can be allowed to dissipate a power equivalent to 5 watts.

CHARACTERISTICS.

Heater Volts	4.0			
Heater Current	1.0 amp. approx.			
	Max.			
Anode Volts	250	200	150	100
Grid Volts	-11	-8	-6	
Anode Current average	16 m.a.	13 m.a.	7 m.a.	
Amplification Factor				12
Impedance				2,860 ohms.
Mutual Conductance				4.2 ma/volt measur. at grid volts 0.
Automatic Bias Resistance	650 ohms.			
Optimum Load Resistance	7,000 ohms.			
Anode Dissipation	5 watts max.			
Interelectrode Capacities :—				
Grid—Anode (others earthed)	6.3 micro-microfarad approx.			
Anode—other electrodes	4.5	"	"	"
Grid—other electrodes	7.2	"	"	"

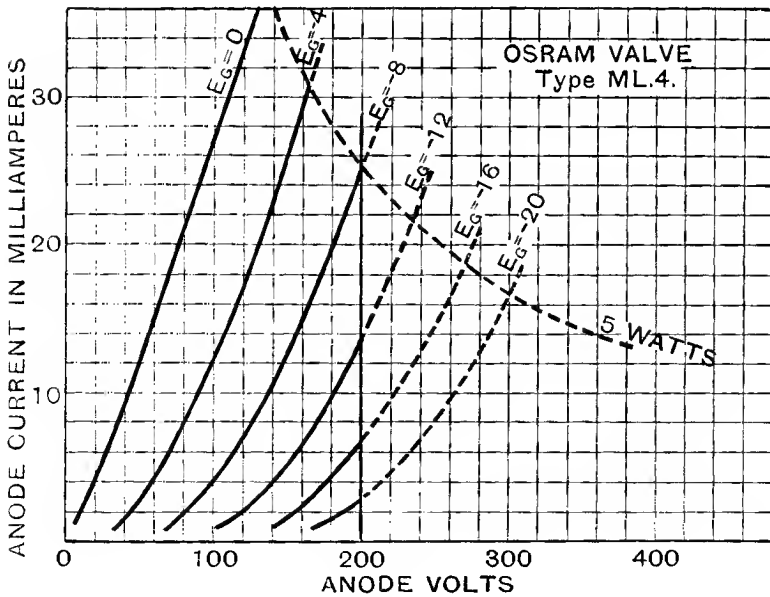
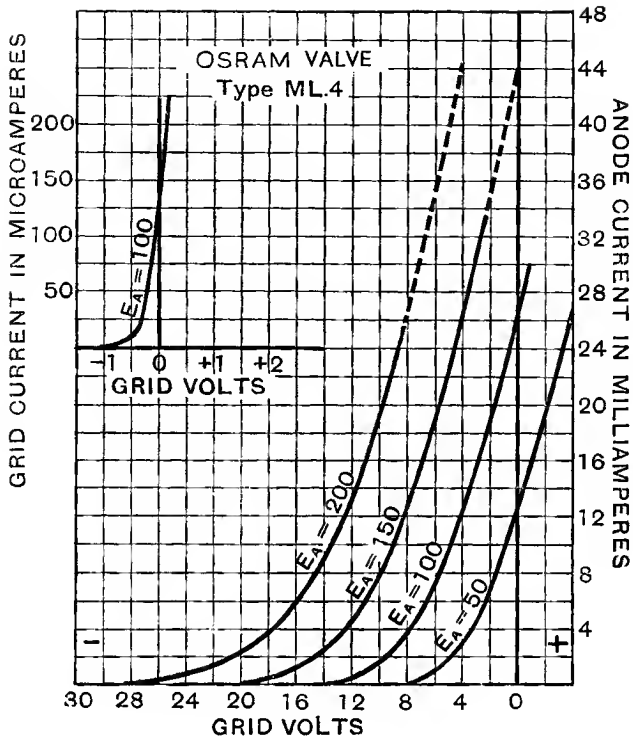
For prices see
pages 126-129.



BASE, 5-PIN

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

TYPE ML4



CHARACTERISTIC CURVES OF AVERAGE VALVE.