

Osram Valves

Made in England.



TYPE HD22

DOUBLE DIODE TRIODE

(For use with a 2-volt Accumulator).

The OSRAM HD22 is a 2-volt valve consisting of triode and double diode electrode assemblies in the one envelope.

In order to obtain maximum efficiency in the triode, a separate filament system from that for the diodes is employed, and the triode is fully shielded from the diode system.

The valve is designed primarily as a detector, and, in addition, affords a convenient and efficient means to effect Automatic Volume Control.

Where Automatic Volume Control is not employed the two diode anodes may be strapped to give half wave rectification.

Maximum Dimensions :
Overall length (including pins)
125 m/m.

Maximum diameter of bulb
45 m/m.

CHARACTERISTICS.

Filament Volts 2.0 max.
Filament Current 0.2 amp.

Triode Characteristics :—

Anode Volts	150	125	100
Grid Volts	-3	-1.5	-1.5
Anode Current average	1.75 ma	2.3 ma	1.25 ma
Amplification Factor			27
Impedance			18,000 ohms
Mutual Conductance			1.5 ma/volt measured at grid volts 0.

Diode Characteristics.

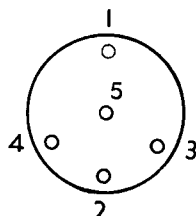
Diode 1 (connected to pin 5).

	Diode Volts.			
	0.5	1.0	2.0	4.0
Diode Current in Microamps	2	5	15	50

Diode 2 (connected to pin 2).

	Diode Volts.			
	0.5	1.0	2.0	4.0
Diode Current in Microamps	0	1	10	50

For prices see
pages 126-129.



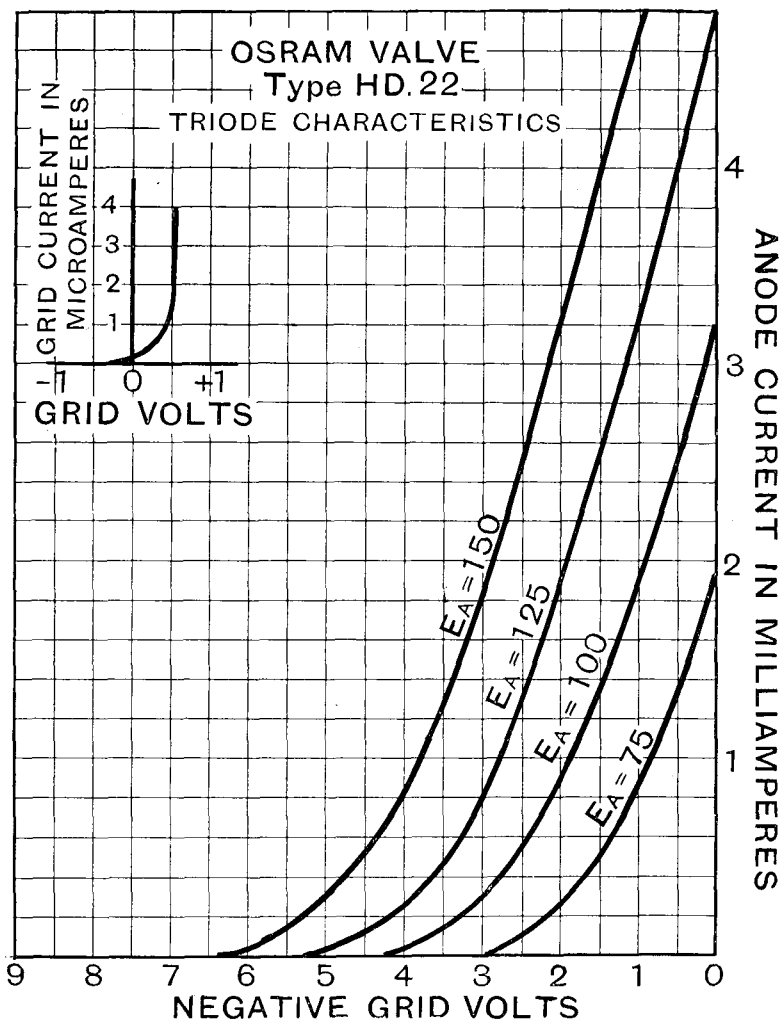
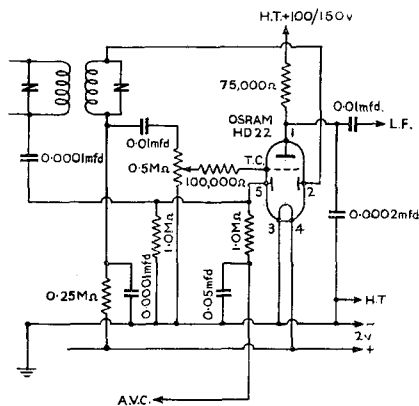
View looking on
underside of base.

BASE, 5-PIN.

- Pin 1 : Anode
2 : Diode nearest end of filament
connected to No. 4
3 : Filament and Metallising
4 : Filament and Diode Shield
5 : Diode nearest end of filament
connected to No. 3
Top Cap : Grid

Type HD22 has a carbonised bulb and can be supplied metallised if required.

TYPE HD22



TRIODE CHARACTERISTIC CURVES OF AVERAGE VALVE.