

Osram Valves

Made in England.



Maximum Dimensions :
 Overall length (including pins)
 125 m/m.
 Maximum diameter of bulb
 45 m/m.

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.

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 1.5 ma/volt measured at grid volts 0.
Mutual Conductance	

Diode Characteristics.

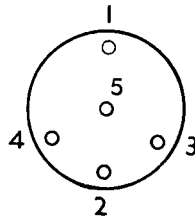
Diode 1 (connected to pin 5).

	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.



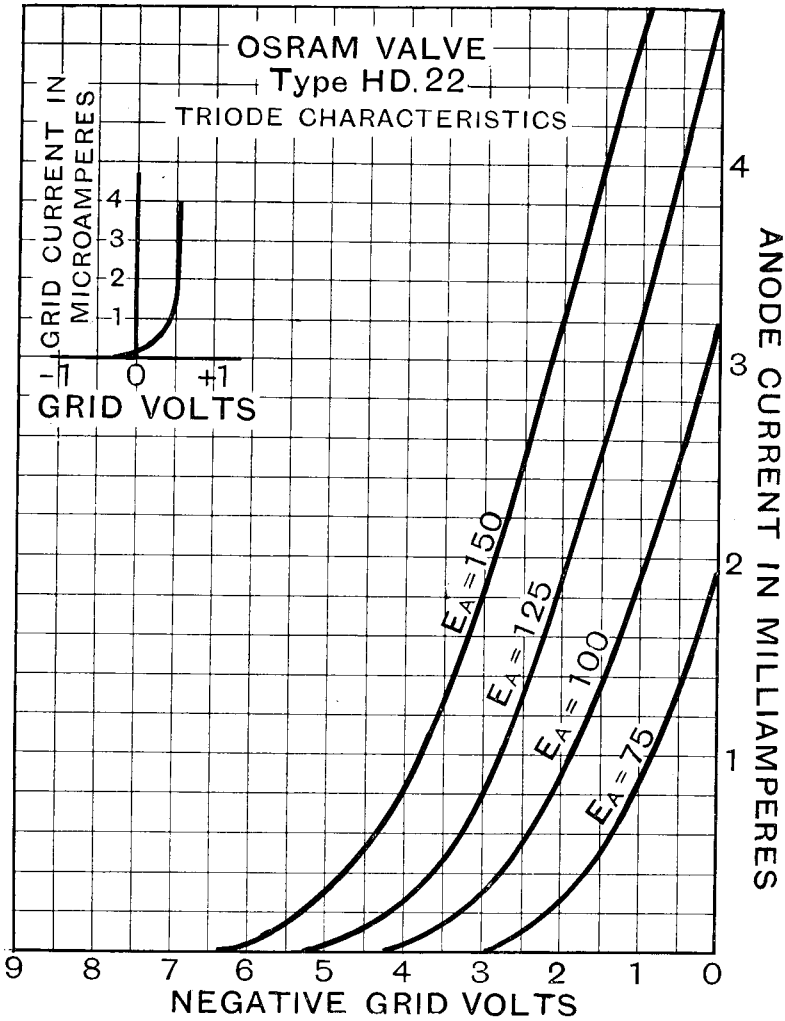
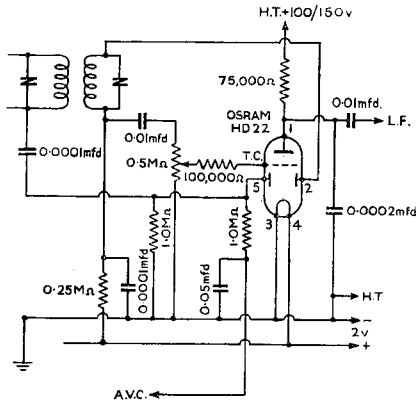
View looking on
 underside of base.

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.