

# Osram Valves

Made in England.



## TYPE HL2

### H.F., DETECTOR, AND L.F. AMPLIFYING TRIODE

(For use with a 2-volt Accumulator).

The OSRAM HL2 is a very efficient dull emitter valve for use with 2 volt accumulators, having a high value of "characteristic slope" or mutual conductance. In addition the HL2 is of extremely rigid construction, with a view to elimination of microphonic noise and acoustic reaction interference. For this reason the valve is strongly recommended as a Detector.

It may also be employed with success in the first stage of a Low Frequency Amplifier, where the relatively low Impedance and high Amplification factor mean good quality reproduction without loss of magnification, or in a High Frequency Amplifier where some form of stabilising or damping is used.

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

Diameter of bulb 42 m/m.

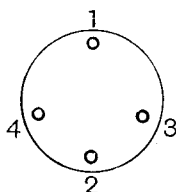
#### CHARACTERISTICS.

Filament Volts .. .. .	2.0 max.		
Filament Current .. .. .	0.1 amp.		
Anode Volts .. .. .	150	125	100
Grid Volts .. .. .	-3	-1.5	-1.5
(for operation in amplifier)			
Anode Current average .. .. .	1.75 m.a.	2.3 m.a.	1.25 m.a.
Amplification Factor .. .. .			27
Impedance .. .. .			18,000 ohms.
Mutual Conductance .. .. .			1.5 ma/volt
		measured at Anode Volts 100 Grid Volts 0.	

#### Interelectrode Capacities :—

Anode—Grid (others earthed) .. .. .	4.0 micro-microfarad approx.
Grid—other electrodes .. .. .	8.0 .. .. .
Anode—other electrodes .. .. .	9.0 .. .. .

For prices see  
pages 126-129.



View looking on  
underside of base

#### BASE, 4-PIN.

- Pin 1 : Anode
- 2 : Grid
- 3 : Filament and Metallising
- 4 : Filament

Type HL2 is supplied with clear or metallised bulb, according to requirements.

## TYPE L21

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

Diameter of bulb 42 m/m.

For prices see  
pages 126-129.

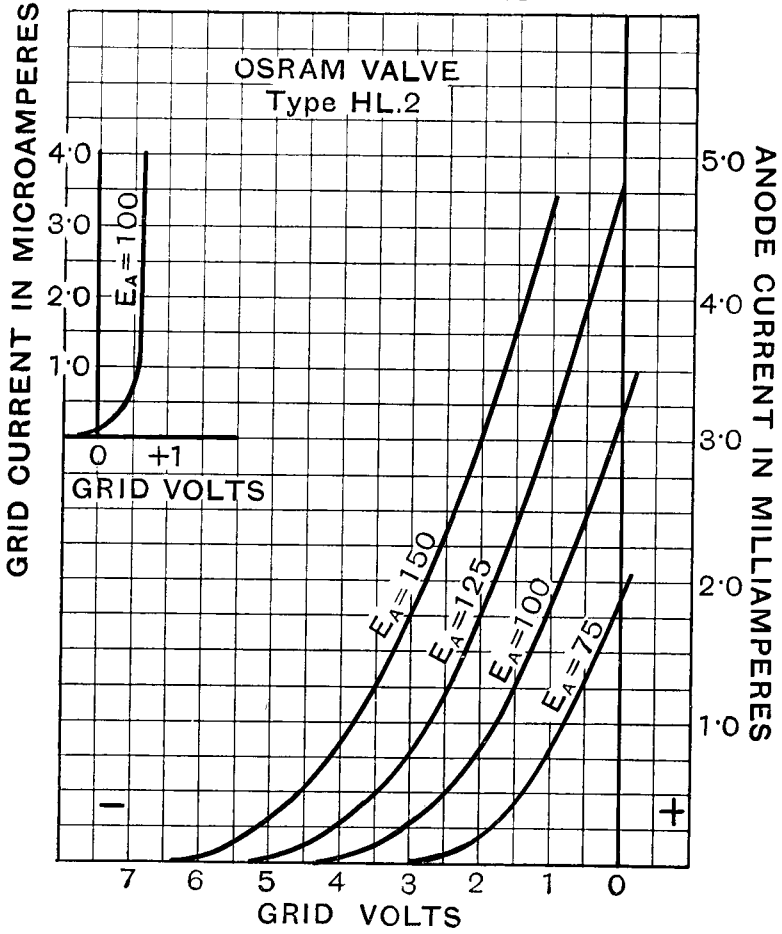
The OSRAM L21 is a triode for use with 2-volt accumulators, designed with characteristics specially suitable for efficient low frequency amplification particularly with a view to operation as the "driver" valve for the OSRAM B21 Class "B" Output Valve.

Type L21 may also be employed as a highly efficient oscillator in super heterodyne receivers, or as a Detector valve.

Base and pin connections as for type HL2.

Supplied in clear bulb only.

## TYPE HL2



## TYPE L21

