



# Osram Valves

Made in England.

## TYPE PT2

### PENTODE LOW FREQUENCY AMPLIFYING VALVE

(For use with a 2-Volt Accumulator).

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

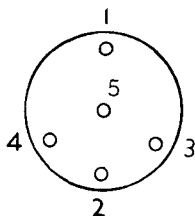
*Diameter of bulb*  
*51 m/m.*

The OSRAM PT2 is a high efficiency 2 volt Pentode, the characteristic of which is considerable undistorted power output combined with economy in H.T. and filament battery current. Owing to the high sensitivity of the PT2, it should be restricted to use in sets employing one stage only of low frequency amplification.

#### CHARACTERISTICS.

|                                |              |     |          |
|--------------------------------|--------------|-----|----------|
| Filament Volts .. .. .         | 2.0 max.     |     |          |
| Filament Current .. .. .       | 0.2 amp.     |     |          |
|                                | Max.         |     |          |
| Anode Volts .. .. .            | 150          | 150 | 100      |
| Screen Volts .. .. .           | 150          | 100 | 100      |
| Grid Volts .. .. .             | -4.5         | -3  | -3       |
| Anode Current average .. .. .  | 9.5          | 4.5 | 4.5      |
| Screen Current average .. .. . | 2.0          | 0.5 | 0.5      |
| Mutual Conductance .. .. .     | ..           | ..  | 2.5 ma/v |
|                                |              |     | measured |
|                                |              |     | at grid  |
|                                |              |     | volts 0. |
| Optimum Load Resistance.. .. . | 16,700 ohms. |     |          |

For prices see  
pages 126-129.



View looking on  
underside of base.

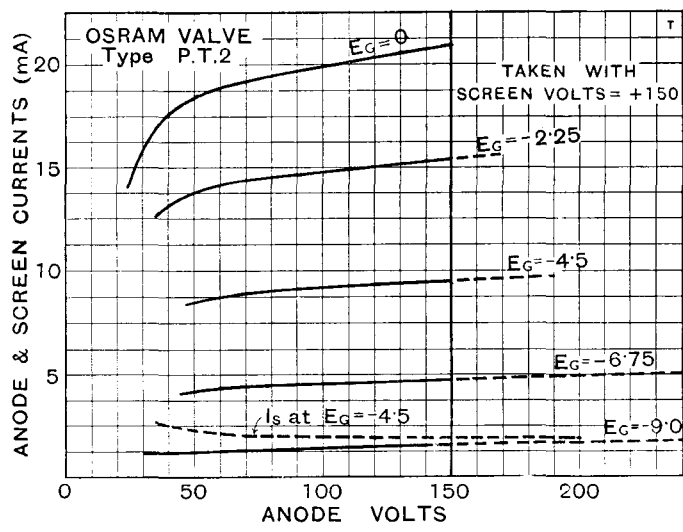
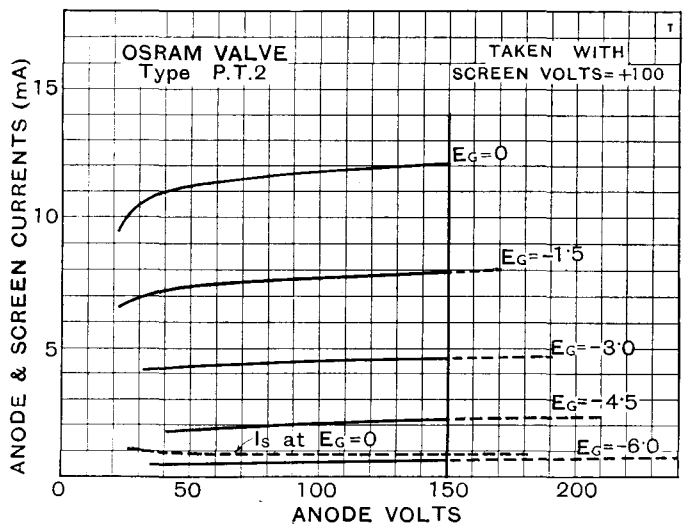
#### BASE, 5-PIN.

- Pin 1 : Anode
- 2 : Grid
- 3 : Filament
- 4 : Filament
- 5 : Screen Grid

#### OPERATING CONDITIONS.

To obtain the maximum undistorted power output it is essential to couple the PT2 to the loudspeaker, by means of a suitable transformer or choke. A filter circuit consisting of a condenser of .01 mfd. approx. and a variable resistance of 50,000 ohms maximum should be connected between anode and filament. If any instability is experienced under maximum conditions the screen may be fed through a decoupling resistance of approximately 1,000 to 5,000 ohms, with a blocking condenser of 2 mfd. from screen to earth.

# TYPE PT2



CHARACTERISTIC CURVES OF AVERAGE VALVE.