

Osram Valves

Made in England.

TYPE PX25

POWER AMPLIFYING TRIODE

With Directly Heated Filament.

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

Diameter of bulb 66 m/m.

The OSRAM PX25 is a Power Amplifying valve of extremely high efficiency designed with a large power handling capacity to supply considerable undistorted volume.

It is intended for use in the last stage of Low Frequency Amplifiers, where provision is made for adequate high tension supply. When operating the PX25 Valve, arrangements should be made for sufficient air circulation to prevent over-heating.

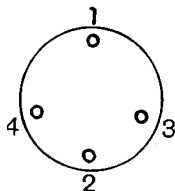
CHARACTERISTICS.

Filament Volts	..	..	..	4.0			
Filament Current	..	..	..	2.0 amp. approx.			
				Max.			
Anode Volts	..	..	..	400	350	300	
Grid Volts	..	..	..	-31	-26	-21	
Anode Current average	..	..	..	62.5 ma	57 ma	44 ma	
Anode Dissipation	..	..	..	25 watts	20 watts	13 watts	
Amplification Factor	..	..	..	9.5			
Impedance	..	..	..	1,265 ohms			
Mutual Conductance	..	..	..	8.0 ma/volt	..	..	7.5 ma/volt
Automatic Bias Resistance	..	..	..	530 ohms			(measured at
(with A.C. filament heating)							anode volts 100,
Optimum Load Resistance	..	..	..	3,200 ohms			grid volts 0).

Interelectrode Capacities :

Grid—Anode	..	..	..	..	..	14.8 micro-microfarad approx.
Anode—Filament	..	..	..	..	..	8.3 „ „ „
Grid—Filament	..	..	..	..	..	11.4 „ „ „

For prices see
pages 126-129.



View looking on
underside of base.

BASE, 4-PIN.

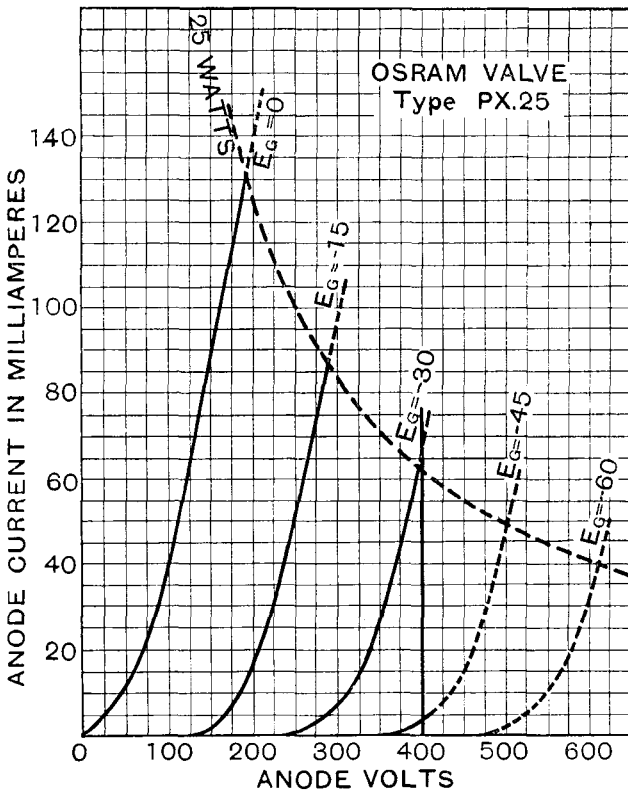
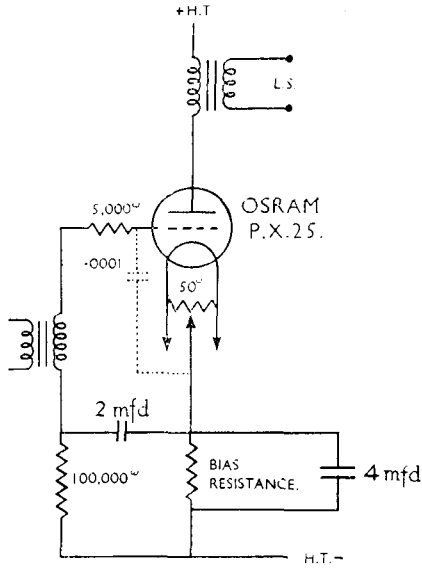
- 1 : Anode
- 2 : Grid
- 3 : Filament
- 4 : Filament

TYPICAL OPERATING CONDITIONS.

Automatic grid bias should be used for each valve, the bias resistance being taken to the electrical centre of the filament or L.T. transformer secondary in order to minimise hum. If two valves are employed in push-pull or parallel, similar auto bias circuits and oscillation stoppers should be applied to each individual valve.

Care should be taken to switch off the power supply when inserting or removing the valve from its socket, or when any adjustments are made to the circuit.

TYPE PX25



(Taken with D.C. filament heating)
CHARACTERISTIC CURVES OF AVERAGE VALVE.