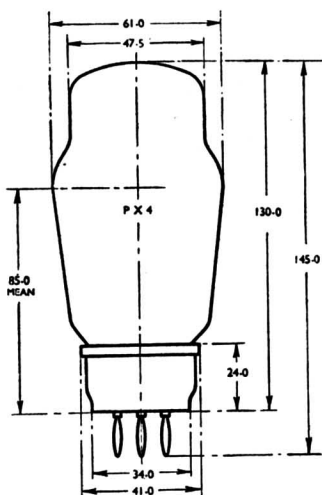


Osram Valves

Made in England



All dimensions are in m/m
and are max. except where
otherwise stated.

TYPE PX4

POWER AMPLIFYING TRIODE.

With Directly Heated Filament.

Type PX4 is a Directly Heated Power Triode for the output stage of receivers and amplifiers where a considerable undistorted power output is required with an anode voltage up to 300. For this purpose the valve has exceptionally good characteristics, and is particularly suitable for operating moving coil speakers at large volume without distortion.

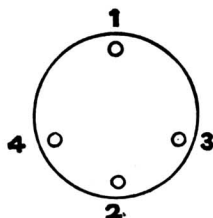
The filament is of the robust oxide coated type and may be heated from A.C. through a suitable step-down transformer.

CHARACTERISTICS.

Filament Voltage	...	...	...	...	4.0		
Filament Current	...	...	...	...	1.0 amp.		
					Max.		
Anode Voltage	...	...	...	...	300	250	200
Grid Voltage (approx.)	...	...	...	...	-42	-32	-28
Anode Current average	...	...	...	...	50 mA	48 mA	25 mA
Anode Dissipation (watts)	...	...	...	...	15	12	5
Bias Resistance (ohms) (A.C. filament heating)	...	...	...	...	900	750	1,200
Optimum Load Resistance (ohms)	...	...	...	...	4,000	2,400	4,500
Amplification Factor	...	...	...	...			5
Impedance	...	...	...	...			830 ohms
Mutual Conductance	...	...	...	...			6.0 mA/volt
Estimated A.C. power output (watts)	...	...	...	...			3.5

Measured at Anode volts 100, Grid volts 0

For prices see
pages 149-151



View looking on
underside of base

BASE, 4-PIN.

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

OPERATING CONDITIONS.

The total grid-cathode resistance should not exceed 0.25 megohm.

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