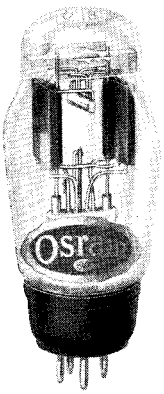


Max. Dimensions :
Overall length (including pins) 140 m/m.
Diameter of bulb 56 m/m.

Osram Valves

Made in England.

TYPE U18

RECTIFYING VALVE

With Directly Heated Filament (Full Wave).

The OSRAM U18 is a Rectifying Valve incorporating a dual electrode system in one bulb.

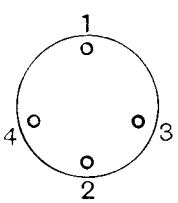
Rectification of both half cycles of the A.C. wave is obtained when the valve is fed from an A.C. supply through a suitable transformer.

The valve is designed for long life and constant emission when operated at its rated voltage and output.

CHARACTERISTICS.

Filament Volts			4.0
Filament Current			3.75 amps approx.
		Max.	
Anode Volts R.M.S. (each anode)		500	
Rectified Current D.C. (smoothed with 4 mfd condenser)		250 mA.	150 mA.
D.C. Output Volts (for 500 A.C. volts input)		520	580

For prices see pages 126-129.



View looking on underside of base

BASE, 4-pin.

1 : Anode.
2 : Anode.
3 : Filament.
4 : Filament.

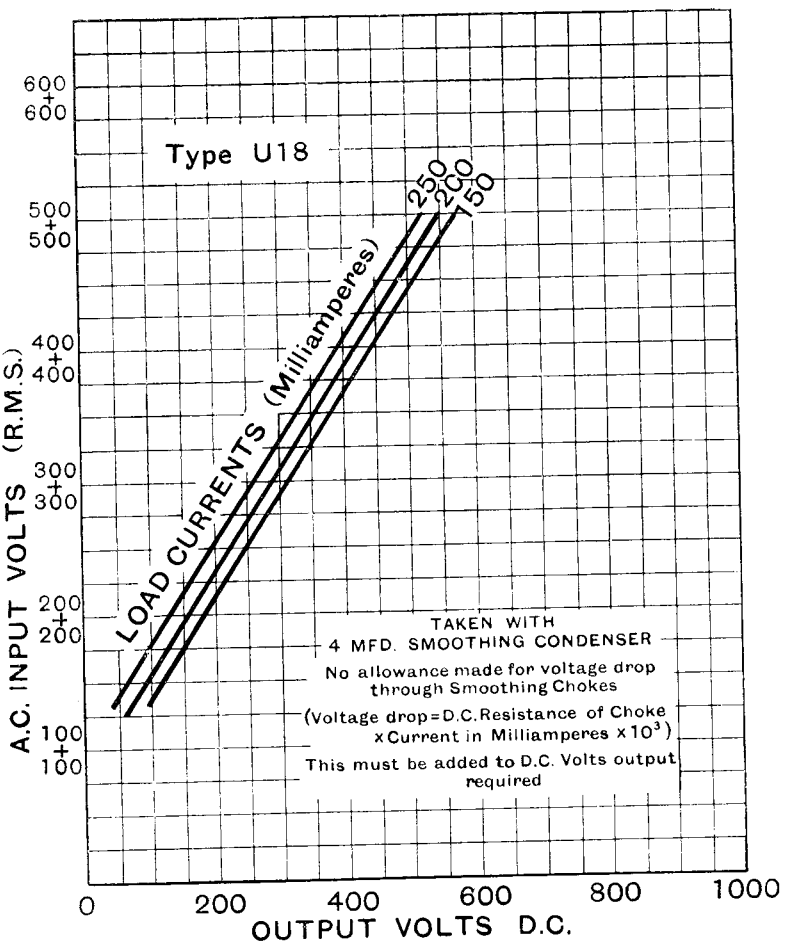
OPERATING CONDITIONS.

Variations in output voltage should never be made by dimming the filament, but may be made :

1. By tappings in the transformer secondary.
2. By the use of a resistance in series with the output.
3. By the use of a potentiometer, in which case the total current taken by the potentiometer and load should not exceed 250 mA.

The D.C. output current should in no case exceed the maximum of 250 mA under smoothed conditions using a 4 mfd. input filter.

TYPE U18



CHARACTERISTIC CURVES OF AVERAGE VALVE.