Osram Valves

Made in England

Approx. Dimensions :
Overall length (including pins) 130 m/m.
Maximum diameter of bulb 50 m/m.

TYPE U16

RECTIFYING VALVE

With Directly Heated Filament (Half Wave).

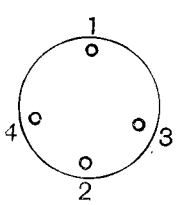
The OSRAM U16 is a Half Wave Rectifier Valve designed primarily to supply the accelerator, or anode voltage to Cathode Ray Tubes. For this purpose it is capable of withstanding an anode voltage up to 5,000 volts R.M.S. and the rectified current output is adequate.

The type is not intended for power rectification purposes where rectified currents greater than 2 milliamps are required.

CHARACTERISTICS.

Filament Volts	2.0
Filament Current	0.25 amp. approx.
Anode Volts R.M.S.	5,000 max.
Rectified Current D.C. (smoothed with 0.25 mfd. condenser)	2.0 ma. max.

For prices see pages 126-129.



View looking on underside of base.

BASE, 4-pin.

Pin 1 : —
2 : —
3 : Filament
4 : Filament
Top Cap : Anode

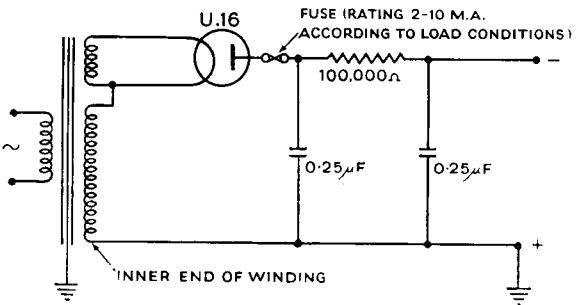
OPERATING CONDITIONS.

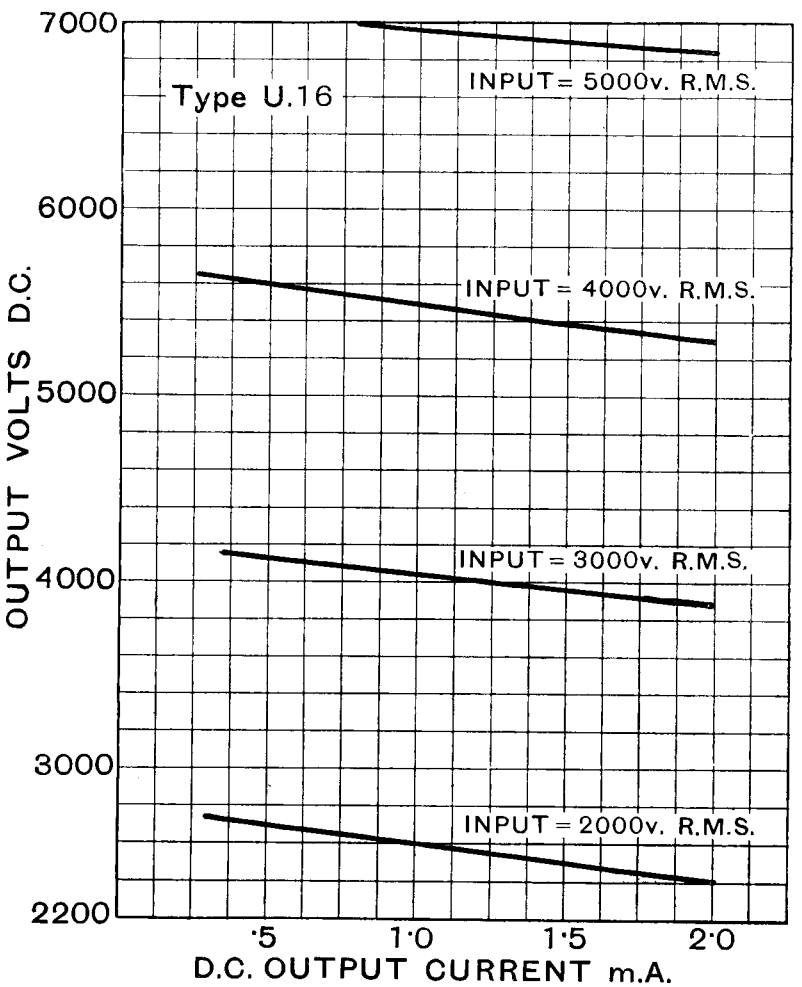
A typical circuit is shown overleaf in which it is recommended that resistance capacity smoothing is employed, a value of 100,000 ohms in conjunction with 0.25 mfd. condensers being adequate.

Care should be taken that the filament voltage is maintained at the rated value to ensure satisfactory life.

The data given are taken with a transformer of good regulation. A reduction of from 300 to 500 volts at 2 milliamps is likely to occur with small commercial transformers.

TYPE U16





CHARACTERISTIC CURVES OF AVERAGE VALVE.