

MU14



MU14 RECTIFIER

DESCRIPTION

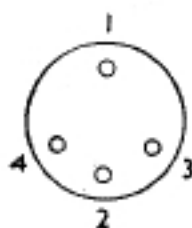
Type MU14 is a bi-phase half wave rectifier valve having an indirectly heated cathode. It replaces types MU12 and MU12/14.

RATINGS

Heater Voltage ...	...	...	...	...	...	4.0	volts
Heater Current ...	...	...	...	...	...	2.5	amps
Capacitor Input, Bi-phase half-wave circuit							
Input Voltage R.M.S. ...	...	...	...	...	...	500	max. volts
Peak Inverse Voltage ...	...	...	...	...	...	1,400	max. volts
D.C. Output Current ...	...	...	...	...	...	120	max. mA
Peak Anode Current (running)	...	...	...	...	...	380	max. mA
Anode Limiting Resistance ...	...	...	...	...	...	100	min. ohms
Reservoir Capacitor ...	...	...	...	...	...	32	max. μ F
Inductor Input, Bi-phase half-wave circuit							
Input Voltage R.M.S. ...	...	...	...	...	...	500	max. volts
Peak Inverse Voltage ...	...	...	...	...	...	1,400	max. volts
D.C. Output Current ...	...	...	...	...	...	135	max. mA
Peak Anode Current (running)	...	...	...	...	...	380	max. mA
Anode Limiting Resistance ...	...	...	...	...	...	100	min. ohms
Input Inductor ...	...	...	...	...	...	5	henries at 135 mA
Type of Switching ...	...	...	...	...	...	...	Direct
Preheating Time ...	...	...	...	...	...	...	Nil

DIMENSIONS

Overall Length ...	...	...	...	...	...	120	max. mm
Seated Length ...	...	...	...	...	...	105	max. mm
Diameter ...	...	...	...	...	...	45	max. mm



View looking on underside of base.

BASE

4 PIN BRITISH

- 1: Anode
- 2: Anode
- 3: Heater & Cathode
- 4: Heater

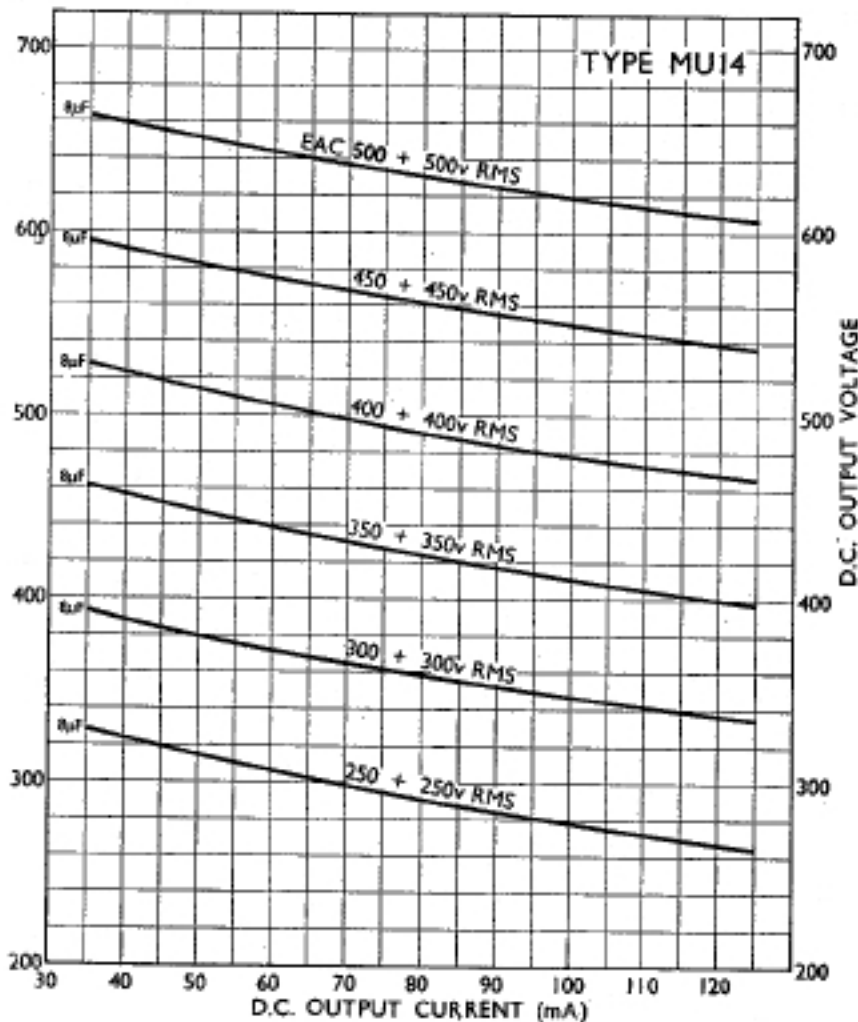
TYPE MU14

OPERATING CONDITIONS

Variations in output voltage must never be made by varying the heater voltage, but may be made:

- (1) By tappings in the transformer secondary.
- (2) By the use of a high 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 must not exceed the rating given overleaf.

The D.C. output current should in no case exceed the maximum of 120 mA under smoothed conditions using a capacitor input filter.



CHARACTERISTIC CURVES OF AVERAGE VALVE, WITH
8 μ F CAPACITOR INPUT.