



## UU 8

### A.C. MAINS RECTIFYING VALVE

#### RATING.

Heater Voltage	...	...	...	...	...	...	...	4.0
Heater Current (Amps.)	...	...	...	...	...	...	...	2.8
Maximum Anode Volts R.M.S. per anode	...	...	...	...	...	...	...	350
Maximum Mean Anode Current (Two Anodes) (mA)	...	...	...	...	...	...	...	250

#### TYPICAL OPERATION.

##### Full Wave Rectifier

Volts R.M.S. per anode	...	...	...	300	300	350	350
*D.C. Output Volts (Approx.)	...	...	...	320	295	380	355
D.C. Output Current (mA)	...	...	...	250	250	250	250
Reservoir Condenser ( $\mu$ F)	...	...	...	16	8	16	8

The Reservoir condenser must not exceed 16  $\mu$ F.

\*The above D.C. Output Volts assume very low transformer resistances and reactances. With transformer sizes usually encountered in practice D.C. Output is not increased by changing from 8 to 16  $\mu$ F, but the hum ripple is reduced.

#### DIMENSIONS.

Maximum Overall Length	...	...	...	...	...	...	114 mm.
Maximum Diameter	...	...	...	...	...	...	54 mm.

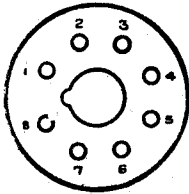
#### GENERAL.

The UU.8 is an indirectly heated high current full-wave rectifier designed for use in A.C. Mains equipment. The bulb is of small dimensions and metallised. It is primarily intended for use in television receivers and other equipments requiring current outputs up to 250 mA with an input voltage not exceeding 350 volts R.M.S. per anode. The valve is fitted with a Mazda Octal base, the connexions to which are given overleaf.

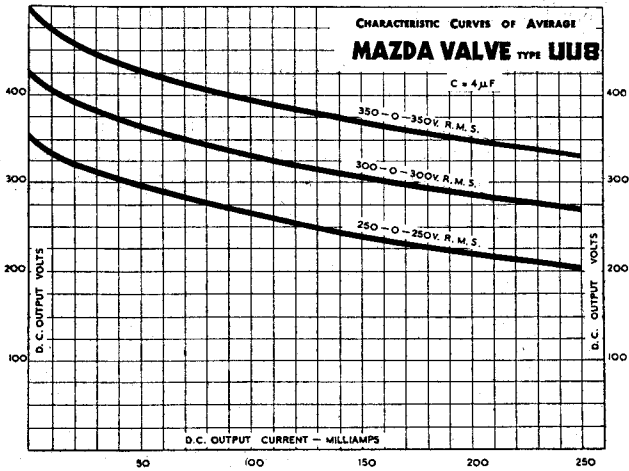


**BASING**

- Pin No. 1. Heater and Cathode.
- 2. Omitted.
- 3. Anode.
- 4. Omitted.
- 5. Anode.
- 6. Metallising.
- 7. Omitted.
- 8. Heater.



Viewed from the free end of the base.



*Mazda Radio Valves are manufactured in Great Britain for the British Thomson-Houston Co., Ltd., London and Rugby, and distributed by*

**THE EDISON SWAN ELECTRIC CO. LTD.,  
155, CHARING CROSS ROAD, LONDON, W.C.2**

