



## UU.6

### A.C. MAINS RECTIFYING VALVE

#### RATING.

|  |     |
|--|-----|
| Heater Voltage ... ..                        | 4.0 |
| Heater Current (amps.) ... ..                | 1.4 |
| Maximum Anode Volts (RMS) per anode ... ..   | 350 |
| Maximum Total Mean Anode Current (mA) ... .. | 120 |
| Maximum Reservoir Capacity ( $\mu$ F) ... .. | 16  |

#### TYPICAL OPERATION.

Full Wave Rectifier.

|                                   |     |     |     |     |     |     |
|-----------------------------------|-----|-----|-----|-----|-----|-----|
| Volts R.M.S. per anode ...        | 300 | 350 | 300 | 350 | 300 | 350 |
| *Mean Rectified Volts (approx.)   | 360 | 425 | 340 | 405 | 325 | 395 |
| Mean Rectified Current (mA)       | 60  | 60  | 90  | 90  | 120 | 120 |
| Reservoir Capacity ( $\mu$ F) ... | 8   | 8   | 8   | 8   | 8   | 8   |

\*The above D.C. Output volts assume very low transformer resistances and reactances. In practice the D.C. output is not increased by changing from 8 to 16  $\mu$ F, but the hum ripple is reduced.

#### DIMENSIONS.

|                               |        |
|-------------------------------|--------|
| Maximum Overall Length ... .. | 97 mm. |
| Maximum Diameter ... ..       | 32 mm. |

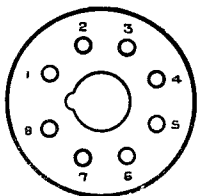
#### GENERAL.

The UU.6 is an indirectly heated rectifier designed for use in A.C. Mains receivers. The bulb is of small dimensions and metallised. In view of this the valve will be found suitable for mains portable receivers or any receivers where rectifier hum trouble is experienced due to cramped lay-out. The valve is fitted with a British Octal Base, the connections to which are given overleaf.



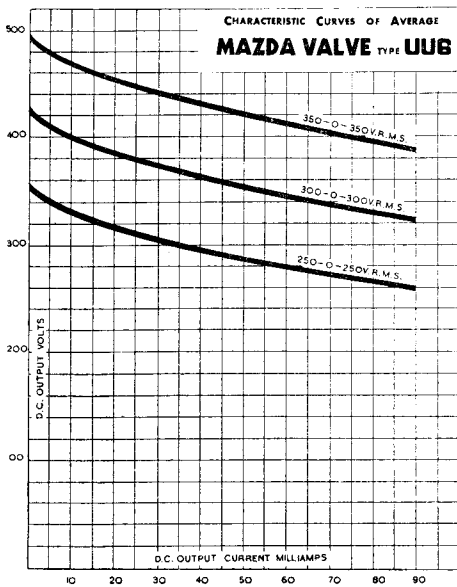


**BASING.**



- 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.*