MAZDA

UU.7

A.C. MAINS RECTIFYING VALVE

RATING.

Heater Voltage	4·0
Heater Current (amps)	2·3
Maximum Anode Volts R.M.S. per anode	350
Maximum Anode Volts R.M.S. per anode	400
*Maximum Mean Anode Current (two anodes) (mA)	120
†Maximum Mean Anode Current (two anodes) (mA)	180

*For maximum anode current of 120 mA, Maximum Anode Volts	400
†For maximum anode current of 180 mA, Maximum Anode Volts	350

TYPICAL OPERATION.

Full Wave Rectifier.

Volts R.M.S. per anode ...	300	300	300	350	350	350
*D.C. Output Volts (approx.)	340	325	315	405	390	385
D.C. Output Current (mA)	120	120	180	120	120	180
Reservoir Condenser (μF)	16	8	16	16	8	16

The Reservoir condenser must not exceed 16μF.

*The above D.C. Output Volts assume very low transformer resistances and reactances. In practice D.C. Output is not increased by changing from 8 to 16μF, but the hum ripple is reduced.

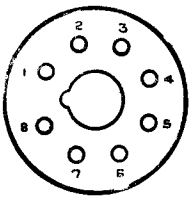
DIMENSIONS.

Maximum Overall Length	113 mm.
Maximum Diameter	45 mm.

GENERAL.

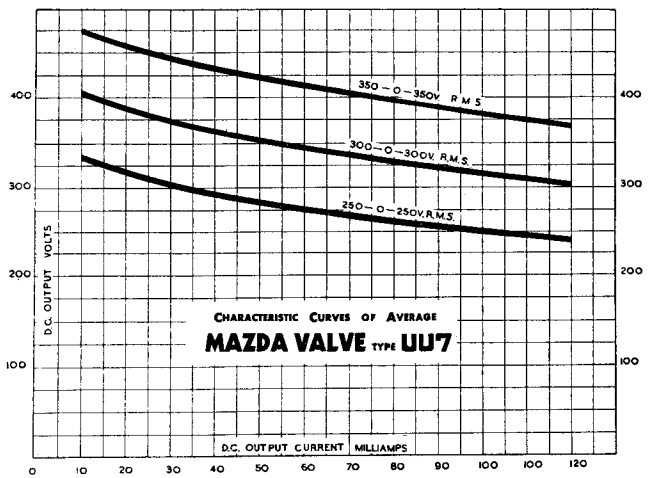
The UU.7 is an indirectly heated rectifier designed for use in A.C. Mains receivers. The bulb is of small dimensions and metallised. In view of this the valve will be found suitable for mains portable receivers or any receivers where rectifier hum trouble is experienced due to cramped lay-out. The valve is fitted with a British Octal Base, the connections to which are given overleaf.

BASING.



Viewed from the free end of the base.

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



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