



## U.201

### AC/DC MAINS HALF WAVE RECTIFIER

#### RATING.

Heater Voltage	...	...	...	...	...	...	20.0
Heater Current (Amps.)	...	...	...	...	...	...	0.2
Maximum Anode Voltage (R.M.S.)	...	...	...	...	...	...	250
Maximum Output Current (mA.)	...	...	...	...	...	...	90

#### DIMENSIONS.

Maximum Overall Length	...	...	...	...	...	98 mm.
Maximum Diameter	...	...	...	...	...	32 mm.
Maximum Seated Height	...	...	...	...	...	82 mm.

#### GENERAL.

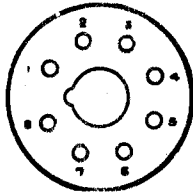
The U.201 is an indirectly heated half wave rectifier suitable for use in A.C./D.C. receivers. The Bulb is clear, and the valve is fitted with an American Octal base, the connexions to which are given overleaf.

#### APPLICATION.

To safeguard the valve from the large current surges present on switching, the maximum capacity of the smoothing condenser when no resistance is included is  $8\mu\text{F}$ . When the reservoir capacity exceeds this value it is imperative to use a resistance in series with the valve. In A.C./D.C. receivers it is usually desirable to connect this resistance in series with the reservoir condenser in order not to reduce the voltage output on D.C. mains. When  $16\mu\text{F}$  condensers are used the resistance value should be 50 ohms. With receivers designed for operation at only 110 volts a condenser of a value not exceeding  $32\mu\text{F}$  may be employed without an additional series resistance.

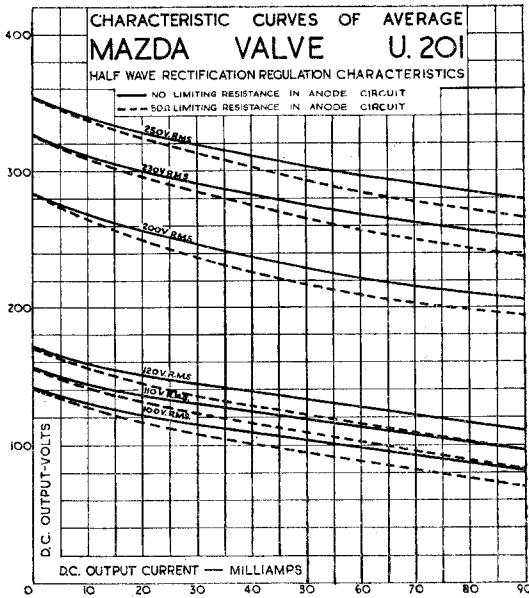


**BASING** (American Octal)



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

Viewed from the free end of the base.



Curves taken with a 16μF Reservoir Condenser.

*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

