



## HL.1320

### AC/DC MAINS TRIODE

#### RATING.

Heater Voltage	...	...	...	...	...	...	13.0
Heater Current	...	...	...	...	...	...	0.2
Maximum Anode Volts	...	...	...	...	...	...	250
*Mutual Conductance...	...	...	...	...	...	...	3.0
*Amplification Factor	...	...	...	...	...	...	30
*Anode A.C. Resistance	...	...	...	...	...	...	10,000

\*At  $E_a = 100$  ;  $E_g = 0$ .

#### INTER-ELECTRODE CAPACITIES.

Anode to Cathode	...	...	...	...	...	5.25 $\mu\mu\text{F}$ .
Grid to Cathode	...	...	...	...	...	5.0 $\mu\mu\text{F}$ .
Anode to Grid	...	...	...	...	...	2.5 $\mu\mu\text{F}$ .

#### DIMENSIONS.

Maximum Overall Length	...	...	...	...	...	125 mm.
Maximum Diameter	...	...	...	...	...	39 mm.

#### GENERAL.

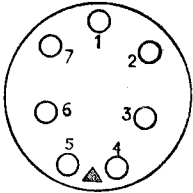
The HL.1320 is an indirectly heated triode for use in D.C., A.C./D.C., or car radio receivers. The valve has been specially designed for use as a detector, amplifier, or oscillator. The bulb is metallised, and the valve is fitted with a standard 7-pin base, the connections to which are given overleaf.

#### APPLICATION.

The HL. 1320 may be used as an A.F. amplifier either with R.C. or transformer coupling, or as an oscillator where a high  $\mu$  triode is required. The heater is designed for series operation, the normal current being 0.2 ampere, and it may also be used on a 12 volt battery in a car radio receiver.

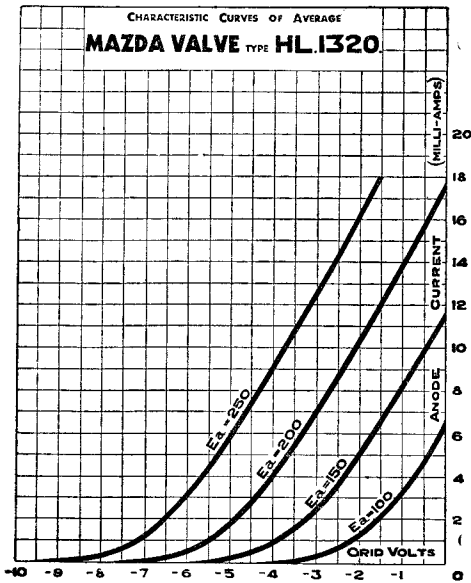


**BASING.**



- PIN No. 1. Metallising.
  - 2. —
  - 3. —
  - 4. Heater.
  - 5. Heater.
  - 6. Cathode.
  - 7. Anode.
- Top Cap. Control Grid.

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.*