MAZDA

HL.41

A.C. MAINS TRIODE

RATING.

Heater Voltage	4·0
Heater Current (amps.)	0·65
Maximum Anode Voltage	250
*Mutual Conductance (mA/V)	3·5
*Amplification Factor	36
*Anode A.C. Resistance (ohms)	10,300

* at Ea=100 ; Eg=0.

OPERATING CONDITIONS as R.C.C. Amplifier.

H.T. Voltage	250	260
Decoupling Resistance (ohms)	0	20,000
Anode Load (ohms)	50,000	50,000
Anode Current (mA)	2·2	1·9
Grid Bias Voltage	3·1	2·75
Voltage Amplification	27	27
Self-Bias Resistance (ohms)	1,400	1,450
Output Voltage (RMS) for $2\frac{1}{2}$ per cent. total harmonic distortion	45	40

INTER-ELECTRODE CAPACITIES.

*Anode to Earth	4·5 $\mu\mu$F
*Grid to Earth	5·25 $\mu\mu$F
Anode to Grid	5·25 $\mu\mu$F

* "Earth" denotes the remaining earthy potential electrodes and metallising joined to cathode.

DIMENSIONS.

Maximum overall length	94 mm.
Maximum diameter	32 mm.

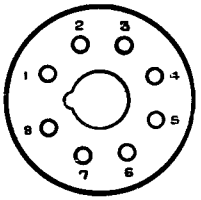
GENERAL.

The HL.41 is an indirectly heated triode for A.C. mains operation. The bulb is of small dimensions and metallised. The valve is fitted with a British Octal Base, the connections to which are given overleaf.

APPLICATION.

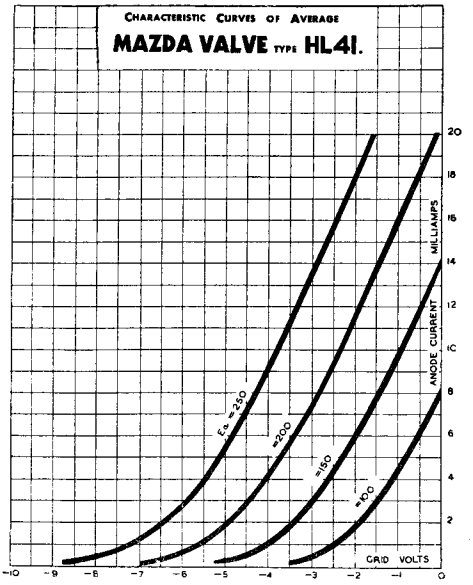
The HL.41 may be used as an L.F. amplifier with either R.C. or transformer coupling, or as an oscillator where a high mu triode is required.

BASING.



Pin No. 1. Heater.
2. Cathode.
3. Anode.
4. —
5. Control Grid.
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.