



MU 2

HALF WAVE MERCURY VAPOUR RECTIFIER

RATING.

Filament Voltage	2.0
Filament Current (Amps.)	3.1

Rating No. 1—High Current delayed switching.

*Peak Inverse Voltage	5,000
*Peak Anode Current (Amps.)	0.3
Valve Voltage Drop (approx.) (volts)	15

*The filament of the MU.2 should be allowed to come up to operating temperature before the anode voltage is applied. For average conditions the delay is approximately 10 seconds.

Rating No. 2—Low Current high voltage simultaneous switching.

**Peak Inverse Voltage (max.)	12,500
Mean Rectified Current (mA) (max.)	5.0
Peak Anode Current (mA) (max.)	50

**For Circumambient Air Temperature 0° to 50° C.

DIMENSIONS.

Maximum Overall Length	121 mm.
Maximum Diameter	39 mm.

GENERAL.

The MU.2 is a directly heated half-wave mercury vapour rectifier, for use in mains H.T. rectifier circuits, and has been particularly designed for use in exciter units with high voltage cathode ray tubes. The valve is fitted with a standard 4-pin base, the connexions to which are given overleaf.

APPLICATION.

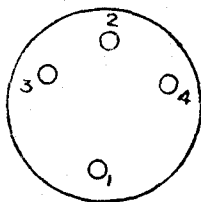
If the valve is to operate at full load current, it is essential to allow the cathode to attain operating temperature before the anode voltage is applied. If, however, the load current does not exceed that specified above, simultaneous switching is allowed. A suitable delay switch for use with the valve is the Ediswan DLS.10.

The rectifier must have an effective resistance in series with the anode of 10,000 ohms minimum for the Rating No. 2 condition. This resistance may be obtained in the distributed resistance of the transformer windings. The capacity of the first condenser of the capacity filter should not exceed 0.5 mfd.

Note.—After transit the valve should be run with the heater volts on for about 15 minutes before the anode voltage is applied.



BASING.



Pin No. 1. —
2. —
3. Filament.
4. Filament.
Top Cap. Anode.

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, and distributed by
THE EDISON SWAN ELECTRIC CO., LTD.,
155, CHARING CROSS ROAD, LONDON, W.C.2

