

# M A Z D A

## ESU.866

ESU.866

### HALF WAVE MERCURY VAPOUR RECTIFIER

#### RATING

|                                      |              |        |
|--------------------------------------|--------------|--------|
| Filament Voltage (volts)             | $V_f$        | 2.5    |
| Filament Current (amps)              | $I_f$        | 5.0    |
| Maximum Peak Anode Current (amps)    | $I_a(pk)$    | 1.0    |
| Maximum Peak Inverse Voltage (volts) | P.I.V (max)  | 10,000 |
| Maximum Mean Anode Current (amps)    | $I_a(av)max$ | 0.25   |
| Approximate Voltage Drop (volts)     | $V_{ir}$     | 15     |
| Cathode Delay Time (secs)            | $t$          | 60     |
| Ambient Temperature ( $^{\circ}C$ )  |              | 20-60  |

#### DIMENSIONS

|                                  |     |
|----------------------------------|-----|
| Maximum Overall Length (mm)      | 170 |
| Maximum Diameter (mm)            | 66  |
| Approximate Nett weight (ozs)    | 3   |
| Approximate Packed Weight (lbs)  | 1½  |
| Approximate Packed Export Weight | 2   |

MOUNTING POSITION      Vertical

#### BASE

U.X. 4 pin. This valve can also be supplied fitted with an E.S. base, in which case it is known as the ESU.866/ES.

TOP CAP      Anode

#### SPECIAL NOTE

When first placed into operation it is essential that the filament is run at the rated value for 15 minutes without any anode voltage being applied.

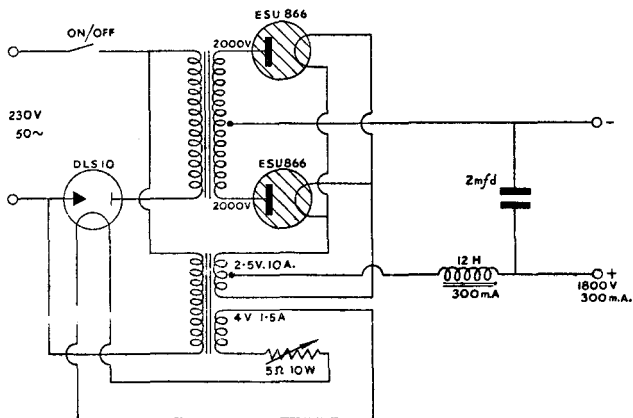
RG.4857K/1

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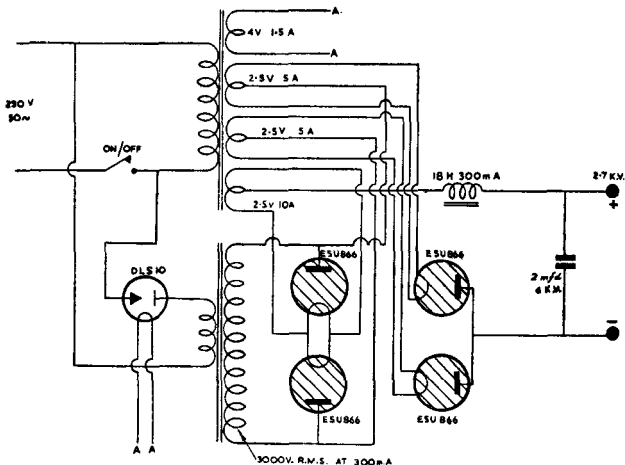
# M A Z D A ESU.866

## HALF WAVE MERCURY VAPOUR RECTIFIER

FULL WAVE CIRCUIT TO SUPPLY 1.8 KV AT 300 m.A.



BRIDGE RECTIFIER CIRCUIT TO SUPPLY 2.7 K.V. AT 300 m.A.



RG.4857L/1

October 1953

Issue 2/5

RADIO DIVISION

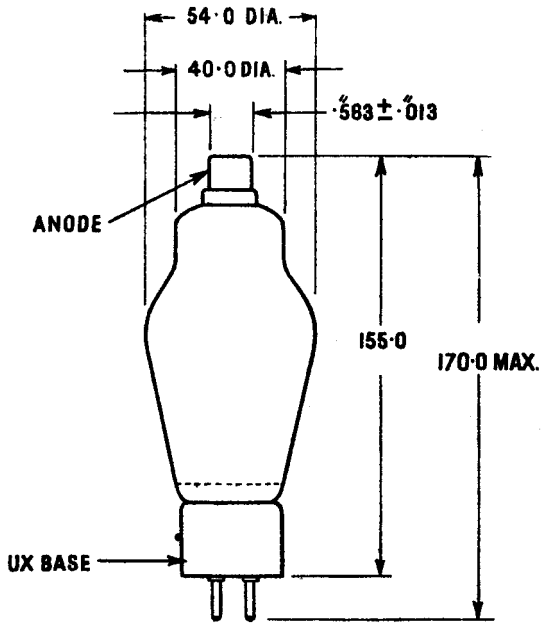
THE EDISON SWAN ELECTRIC COMPANY LTD.

ESU.866

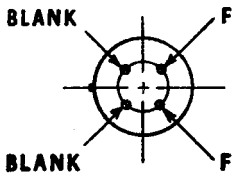
MAZDA

ESU.866

HALF WAVE MERCURY VAPOUR RECTIFIER



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UNDERSIDE VIEW OF BASE

ALL DIMENSIONS IN M.M. UNLESS OTHERWISE STATED

March 1953

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