

**ESU866**  
**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)	$1\frac{1}{2}$
Approximate Packed Export Weight	2

**MOUNTING POSITION**      Vertical

**EASE**

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.

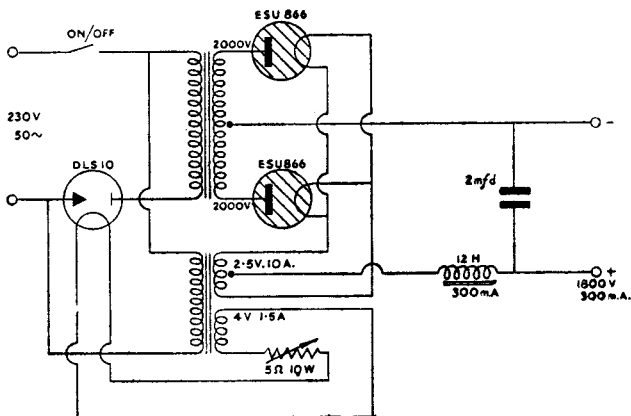
**TOP CAP**      Anode

**SPECIAL NOTE**

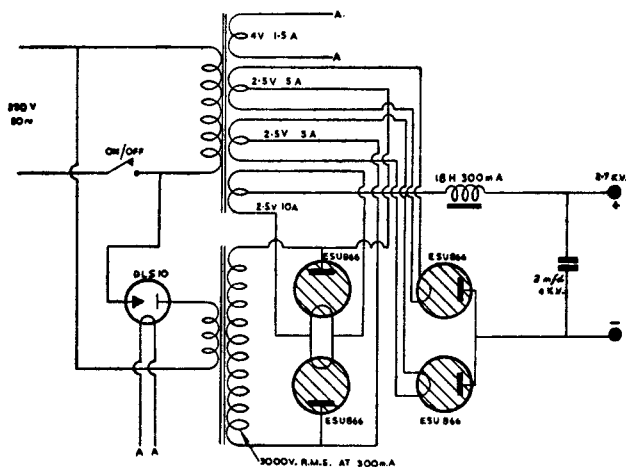
When first placed into operation it is essential that the filament is run at the rated value for 15 minutes without any anode voltage being applied.

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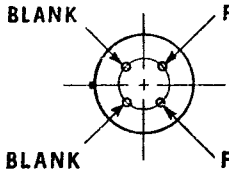
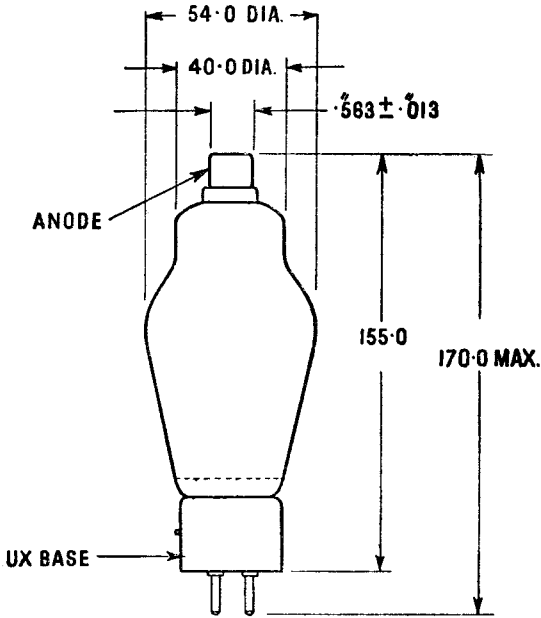
FULL WAVE CIRCUIT TO SUPPLY 1.8 KV AT 300 mA.



BRIDGE RECTIFIER CIRCUIT TO SUPPLY 2.7 K.V. AT 300 mA.



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**UNDERSIDE VIEW OF BASE**

ALL DIMENSIONS IN M.M. UNLESS OTHERWISE STATED