

**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.

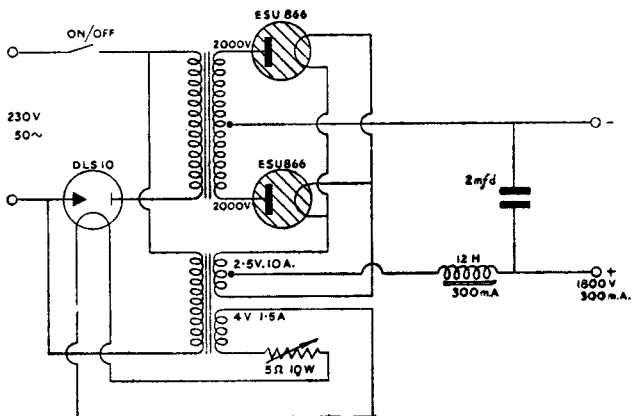
TOP CAP      Anode

SPECIAL NOTE

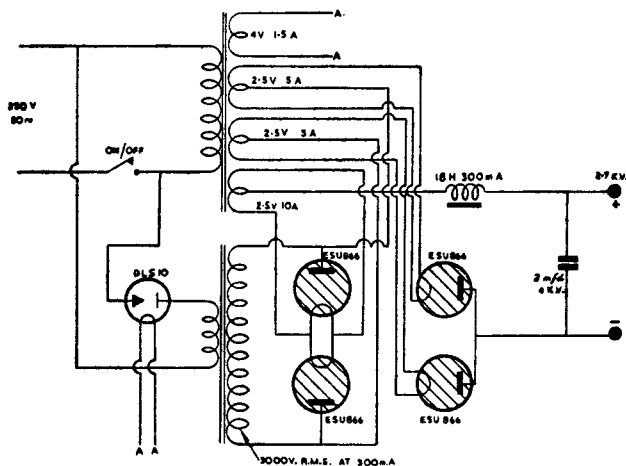
When first placed into operation it is essential that the filament is run at the rated value for 15 minutes without any anode voltage being applied.

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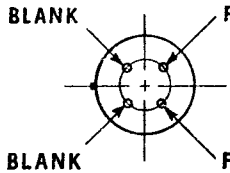
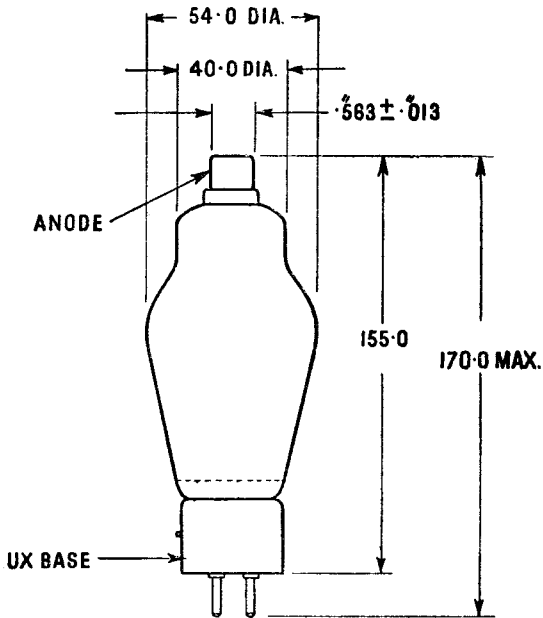
FULL WAVE CIRCUIT TO SUPPLY 1.8 KV AT 300 mA.



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