

EDISWAN

ESW.501

RADIATION COOLED TRIODEGENERAL

The ESW.501 is a U.H.F. thoriated tungsten filament triode suitable for use in industrial and transmitting equipment.

RATING

Filament Voltage (volts)	V_f	6.0
Filament Current (amps)	I_f	4.0
Maximum Anode Voltage (volts)	$V_a(\max)$	1,500
Average Maximum Filament Emission (amps)	$F_{em(av)}$	1.0
Maximum Anode Dissipation (watts)	$W_a(\max)$	60.0
Mutual Conductance (mA/V)	g_m	• 1.3
Amplification Factor	μ	• 8.0
Anode Impedance (ohms)	Z_a	• 6,200
Maximum Operating Frequency at full rating		• 80 Mc/s
Power Output (watts)	P_o	100

- Taken at $V_a = 1,000v$; $I_a = 50$ mA.

- At higher frequencies the maximum permissible anode voltage and input must be reduced.

INTER-ELECTRODE CAPACITANCES

Anode/Grid ($\mu\mu F$)	ca, g_1	4.0
Anode/Filament ($\mu\mu F$)	ca, f	1.26
Grid/Filament ($\mu\mu F$)	g_1, f	1.63

DIMENSIONS

Maximum Overall Length (mm)	215
Maximum Diameter (mm)	57.0
Approximate Nett Weight (ozs)	4.0
Approximate Home Packed Weight (lbs)	4.0
Approximate Export Packed Weight (lbs)	6.0

MOUNTING POSITION - Vertical

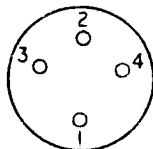
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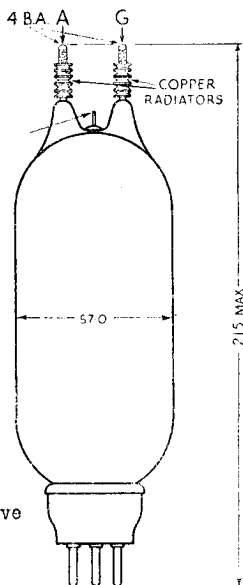
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TOP CONNEXIONS Anode and Grid - screw terminals.

BASE 4 pin. Standard B.V.A.
Filament - pins 3 & 4.



Viewed from free end of pins.



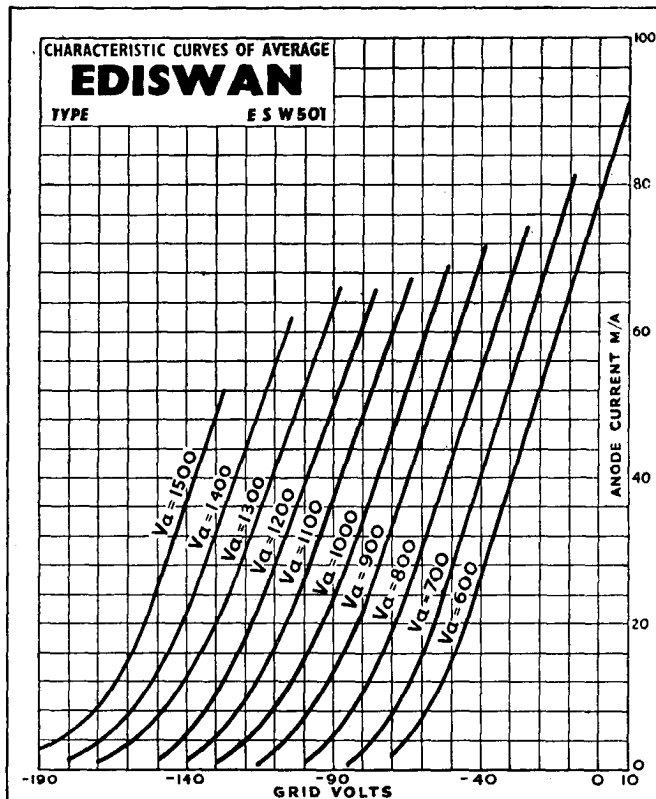
Anode and Grid terminals on top of valve in alignment with their respective pins on base.

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