

ES.250.M

# EDISWAN

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## POWER AMPLIFIER TRIODE

### GENERAL

The ES.250.M is a high power amplifying valve with a Thoriated Tungsten filament. The construction is very robust and the special hard glass envelope ensures freedom from electrolysis and enables the vacuum to be maintained without deterioration throughout life. The anode is of molybdenum, giving remarkable constancy of characteristic and free radiation of heat. The valve is also suitable for use as an oscillator.

### RATING

Filament Voltage (volts)	$V_f$	11.0
Filament Current (amps)	$I_f$	4.0
Maximum Anode Voltage (volts)	$V_a(max)$	2,000
Maximum Anode Dissipation (watts)	$W_a(max)$	250
Mutual Conductance (mA/V)	$g_m$	¶ 3.3
Amplification Factor	$\mu$	¶ 15
Anode Impedance (ohms)	$r_a$	¶ 4,000
Maximum Filament Emission (amps)	$F_{em(max)}$	4.0

¶ Taken at  $V_a = 2,000v$ ;  $I_a = 125mA$ .

### DIMENSIONS

Maximum Overall Length (mm)	370
Maximum Diameter (mm)	110
Approximate Nett Weight (lbs)	1½
Approximate Packed Weight (lbs)	7
Approximate Packed Export Weight (lbs)	7½

MOUNTING POSITION - Vertical

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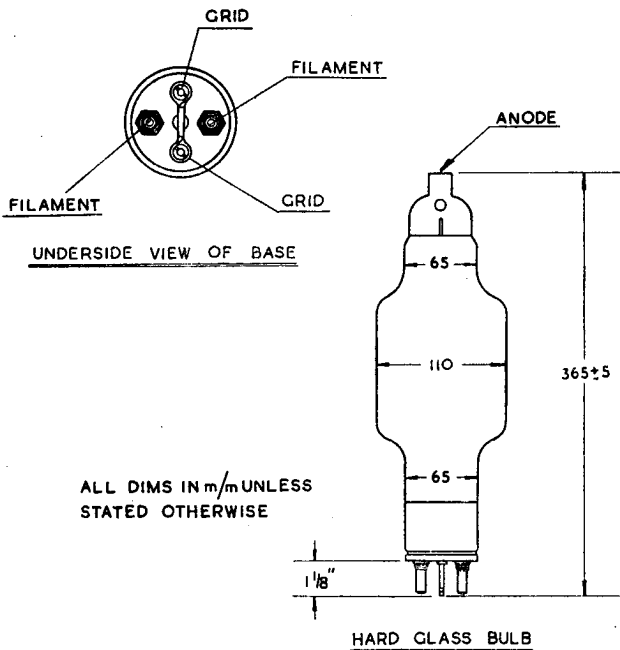
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### APPLICATION

The valve is particularly suitable for use in the output stage of large audio-frequency amplifiers and is capable of supplying up to 30 watts of audio power to the reproducing system. As an oscillator or high frequency amplifier, it is suitable for working at frequencies up to 20 megacycles, although at the latter frequency the anode dissipation should not exceed 200 watts. It is desirable to state the working frequency when ordering this valve.

### NOTE

The valve is supplied in a wooden crate to ensure safety in transit. This crate should be kept intact, and the valve should be stored in it when not actually required for use.

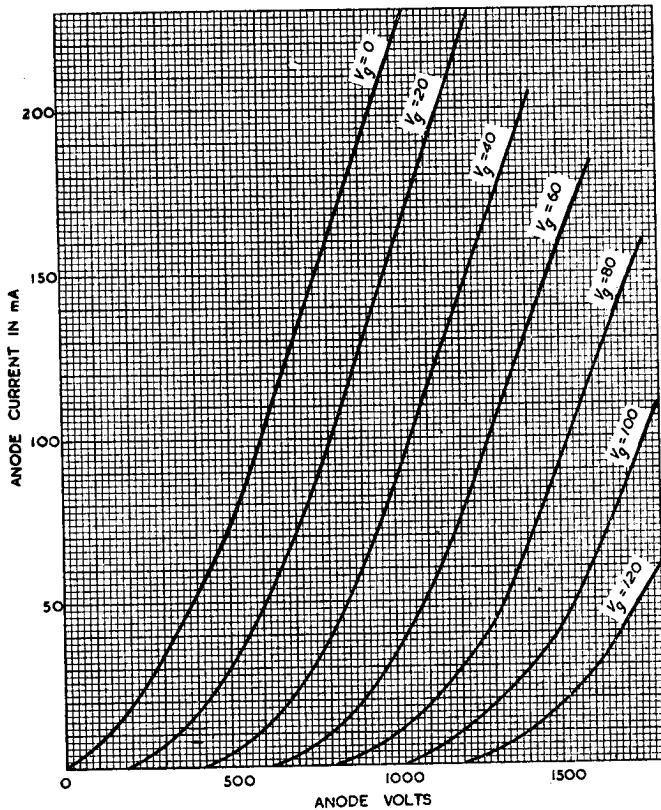


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### AVERAGE CHARACTERISTICS



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