EDISWAN
ES.250.M
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	μ	¶	15
Anode Impedance (ohms)	r_a	¶	4,000
Maximum Filament Emission (amps)	$Fem(max)$		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

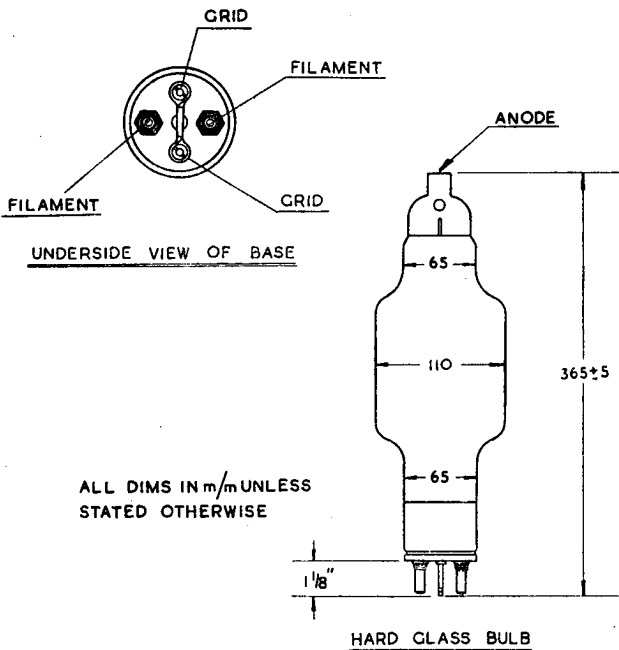MOUNTING POSITION - Vertical

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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 repro-
ducing 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
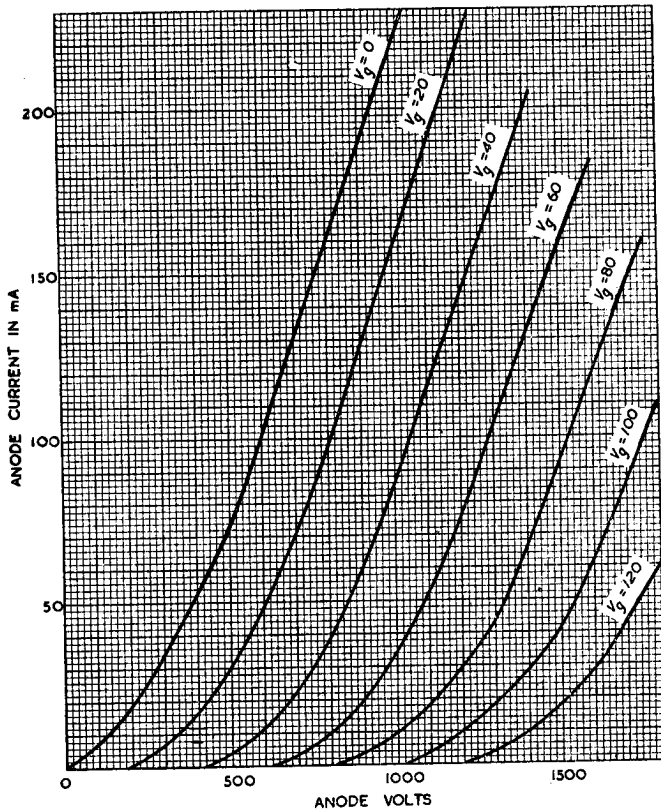for use.

GRID

FILAMENT

ANODE

FILAMENT

GRID

UNDERSIDE VIEW OF BASE

65

110

365±5

65

ALL DIMS IN m/m UNLESS
STATED OTHERWISE

1⅛"

HARD GLASS BULB

THE EDISON SWAN ELECTRIC COMPANY LTD.

ES.250.M

AVERAGE CHARACTERISTICS

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