

V1505

RADIATION COOLED TRIODE

GENERAL

The V.1505 is a Directly Heated Thoriated Filament Triode suitable for operation as a Power Amplifier or Oscillator at frequencies up to 1.5 Mc/s.

RATING

Filament Voltage (volts)	V_f	14
Filament Current (amps)	I_f	6.5
Maximum Anode Voltage (volts)	V_a	3,000
Maximum Filament Emission (amps)	F_{em}	4
Maximum Anode Dissipation (watts)	W_a	275
Mutual Conductance (ma/V)	g_m	• 8
Amplification Factor	μ	• 16
Anode Impedance (ohms)	r_a	• 2,000
Maximum Operating Frequency at Full Rating		1.5 Mc/s
Audio Power Output	P_{out}	800 watts (2 valves)

• Taken at $V_a = 2,000$ volts; $I_a = 150$ mA

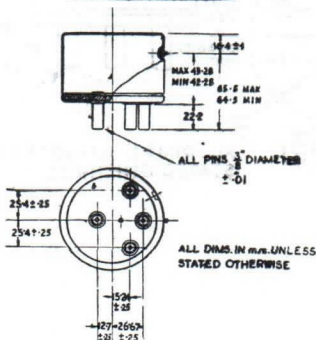
INTER-ELECTRODE CAPACITANCES

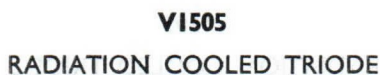
Anode/Grid (μ pF)	C_{a-gl}	18
Anode/Filament (μ pF)	C_{a-f}	9
Grid/Filament (μ pF)	C_{gl-f}	14

DIMENSIONS

Maximum Overall Length (inches)	12.5
Maximum Overall Diameter (inches)	3.54

BASE P1410
V1505 FILAMENT CAP



**EDISWAN**

Technical drawing of a vacuum tube pinout. The drawing shows a side view and a top view.

Side View Dimensions:

- Total height: 345
- Body diameter: 90.0
- Pin height (from base): 22.2
- Pin diameter: $\varnothing .375$ DIA. PINS $\pm .01$
- Pin pitch (center-to-center): 25.4 ± 0.25
- Pin diameter: 2.54 ± 0.25
- Pin length (from base): 12.7 ± 0.25
- Pin diameter (from base): 26.67 ± 0.25
- Pin diameter (from base): 15.24 ± 0.25

Top View Dimensions:

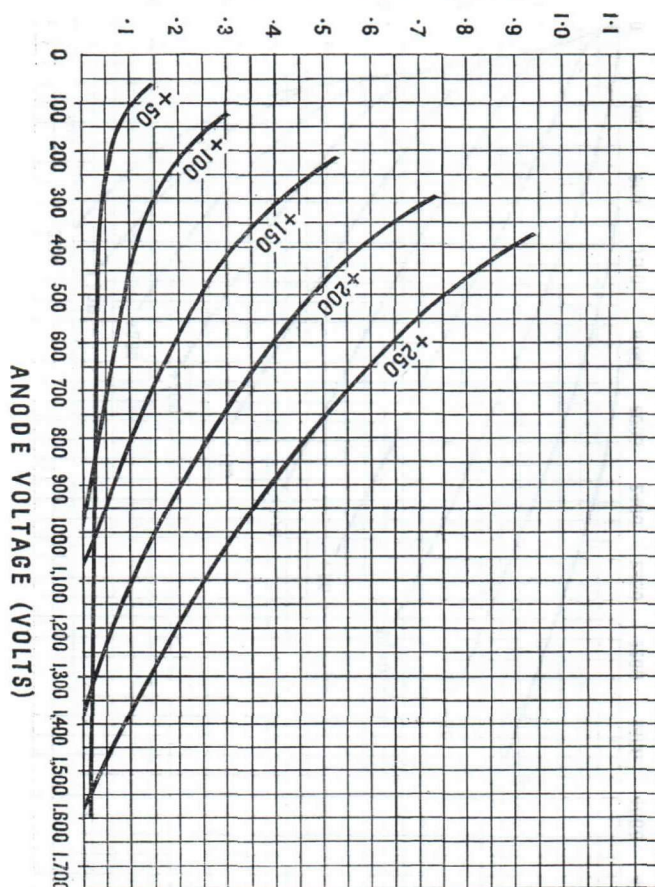
- Pin pitch (center-to-center): 25.4 ± 0.25
- Pin diameter: 2.54 ± 0.25
- Pin diameter (from base): 26.67 ± 0.25
- Pin diameter (from base): 15.24 ± 0.25

ALL DIMS IN m.m. UNLESS STATED OTHERWISE

V1505

RADIATION COOLED TRIODE

GRID CURRENT (AMPS)



V1505
RADIATION COOLED TRIODE

