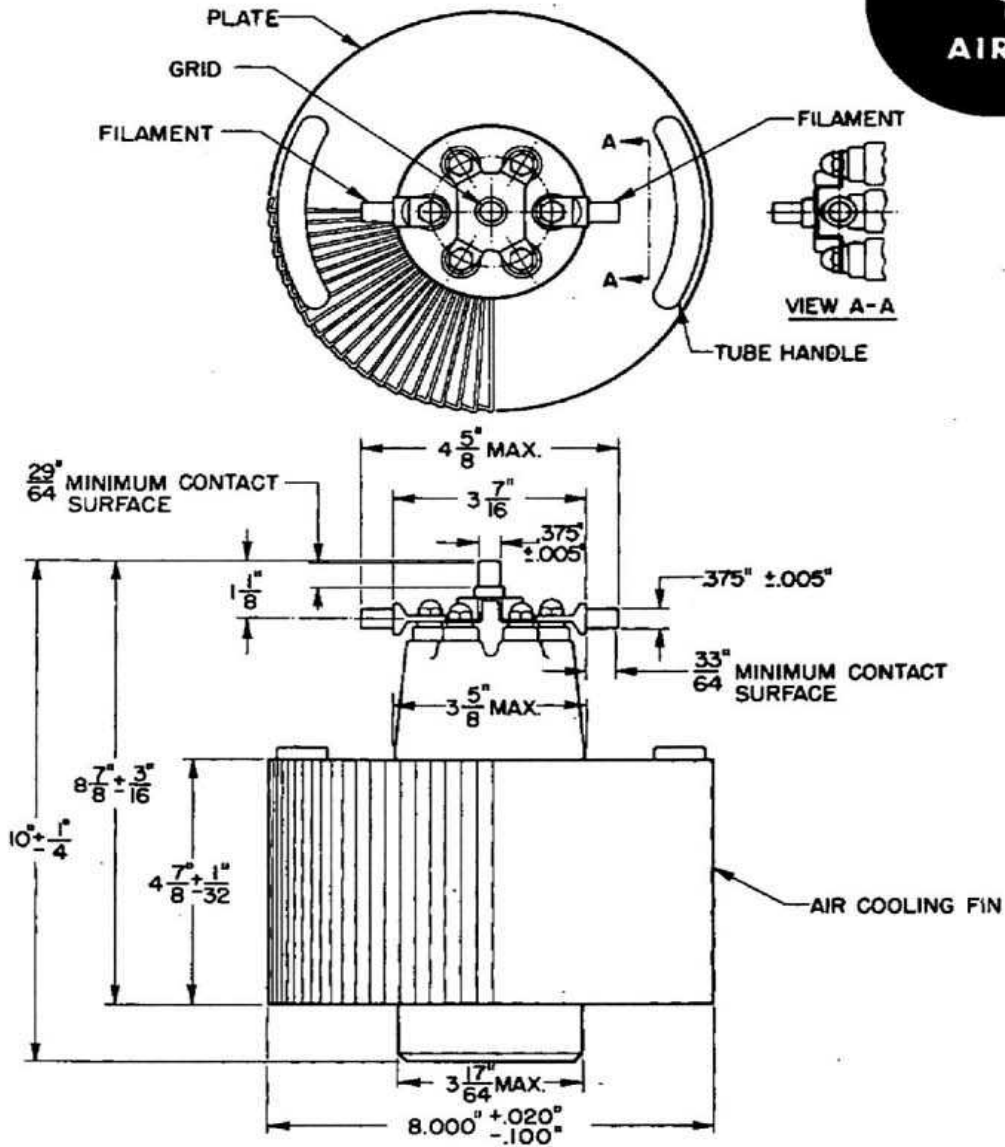


ADVANCE ELECTRON TUBE DATA SHEET

WESTERN ELECTRIC 5531 ELECTRON TUBE

5531
TRIODE
AIR-COOLED



DESCRIPTION

The 5531 is a three-electrode tube designed for AM service as a modulator, amplifier or oscillator. The anode is forced-air cooled and is capable of dissipating 10 kilowatts. The cathode is a thoriated tungsten filament. Maximum ratings apply up to 20 megacycles.

Western Electric

ELECTRICAL DATA - GENERAL

Filament Voltage, A-C	6.3 volts
Filament Current	97 amperes
Amplification Factor	26
Grid - Plate Transconductance at $E_b = 2.5$ kv; $I_b = 4$ amp.	20,500 micromhos
Interelectrode Capacitances	
Grid - Plate	26.0 $\mu\mu\text{f}$
Grid - Filament	23.0 $\mu\mu\text{f}$
Plate - Filament (maximum)	1.5 $\mu\mu\text{f}$

MECHANICAL DATA

Mounting Position	Vertical, plate end down
Type of Cooling	Forced-air
Air Flow (minimum)	500 c.f.m.
Pressure Drop, Inches of Water (static)	0.75 inch
Net Weight, Approximate	30 pounds

MAXIMUM RATINGS, ABSOLUTE VALUES

D-C Plate Voltage	12500 volts
D-C Grid Voltage	-2000 volts
D-C Plate Current	4 amperes
D-C Grid Current	0.3 ampere
Plate Input	35 kilowatts
Plate Dissipation	10 kilowatts

NOTE: THIS SHEET DOES NOT IMPLY COMMERCIAL AVAILABILITY OF THE TUBE