

FEDERAL POWER TRIODE

Type F-343-AA

5 Kilowatts Plate Dissipation



GENERAL DATA

DESCRIPTION:

The Type F-343-AA made by Federal is a three-electrode tube designed for use as a R-F power amplifier, oscillator, and Class B modulator. The anode, cooled by forced air, is capable of dissipating 5 kilowatts. The cathode is a pure tungsten filament. Maximum ratings apply up to 4 megacycles.

Electrical:

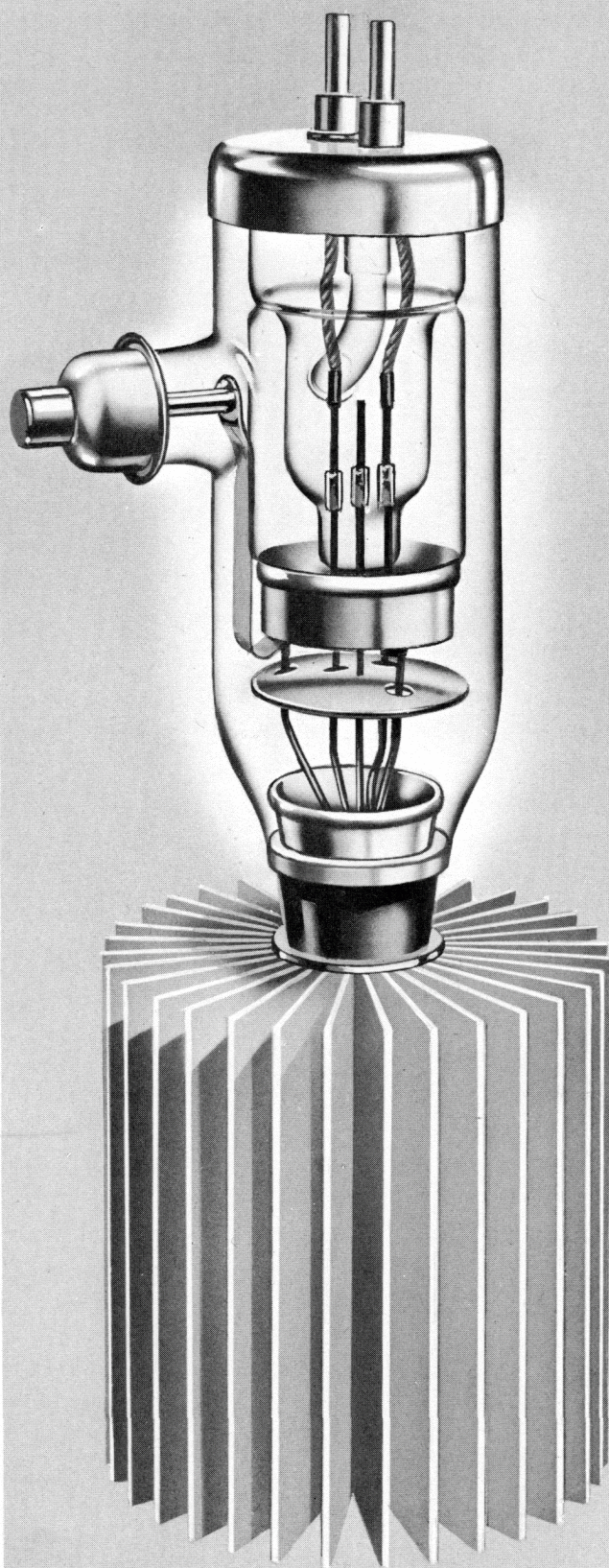
▶ Filament Voltage	21.5 Volts
▶ Filament Current	57.5 Amperes
▶ Filament Starting Current	115.0 Amperes
▶ Peak Cathode Current	8 Amperes
▶ Amplification Factor, at $I_b = 0.50$ amp. $E_b = 10,000$ volts	40
▶ Interelectrode Capacitances	
Grid-Plate	23.5 $\mu\mu\text{f}$
Grid-Filament	16.6 $\mu\mu\text{f}$
Plate-Filament	1.9 $\mu\mu\text{f}$

Mechanical:

▶ Mounting Position—	
Vertical, Anode Down	
▶ Required Air Flow on Anode	
Plate Dissipation (Kilowatts)	5
Air Flow—Cubic Feet Per Min.	600
Maximum Glass Temperature	150° C
▶ Net Weight, approximate	45 Lbs.

For Characteristic Curves refer to Catalog Sheet F-343-A.

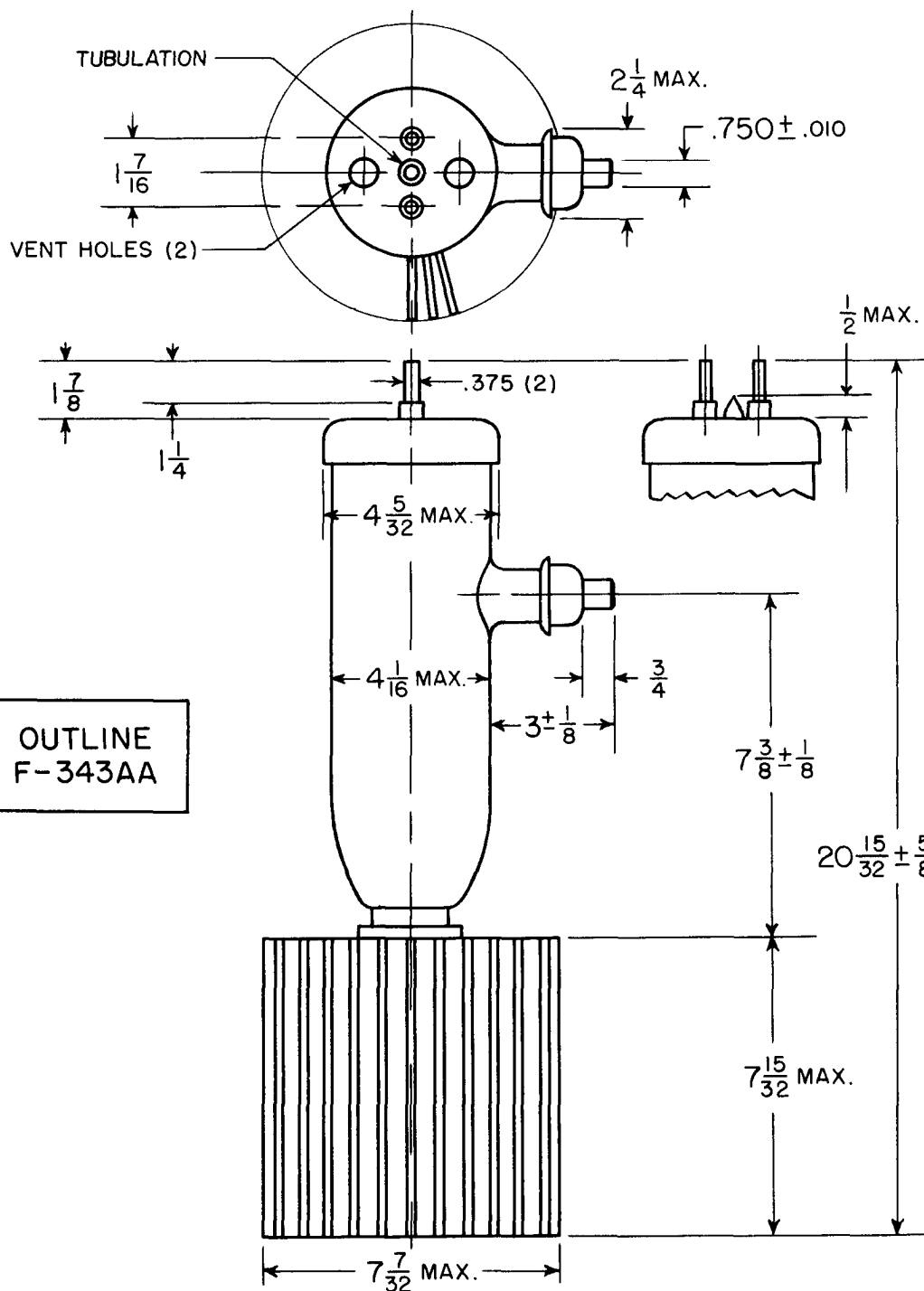
Except for reduction of plate dissipation to 5KW, Maximum Ratings and Typical Operation of F-343-A apply.



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Federal tubes have always been known for their *plus* values: an extra rugged construction, a longer life of service.



Federal Telephone and Radio Company

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