

FEDERAL POWER TRIODE

Type F-132-A

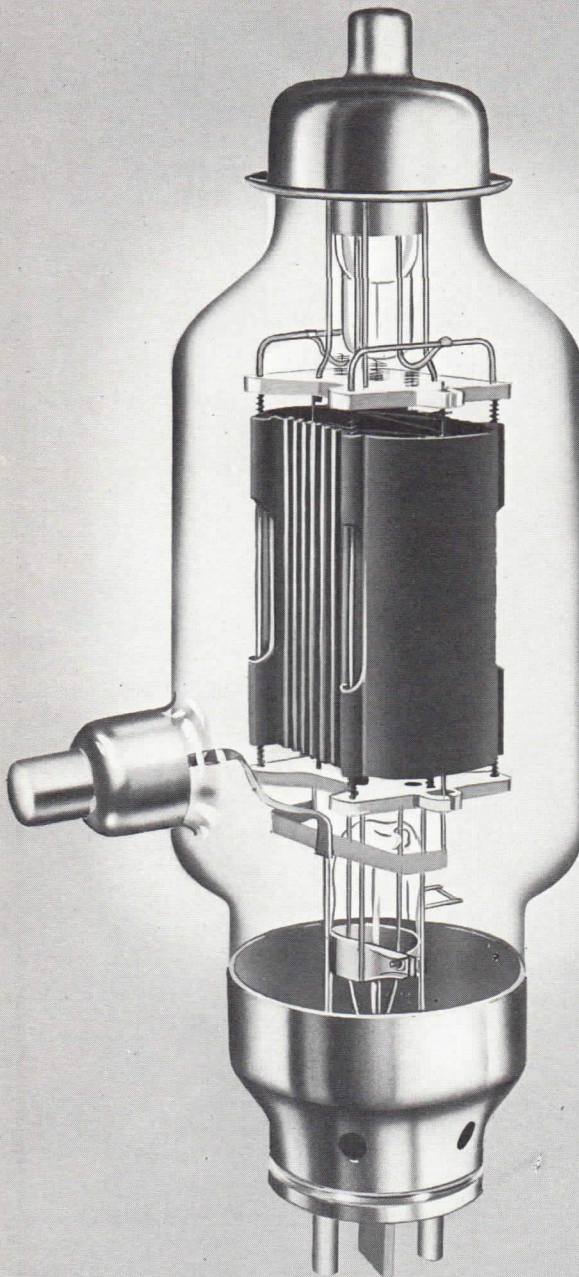
600 Watts Plate Dissipation



GENERAL DATA

DESCRIPTION:

Federal's F-132-A is a three electrode tube designed for use as a modulator. The anode, radiation-cooled, is capable of dissipating 600 watts. The cathode is a thoriated tungsten filament.



Electrical:

▶ Filament Voltage	11 Volts
▶ Filament Current	13 Amperes
▶ Amplification Factor, at $I_b = 0.200$ amps. $E_b = 3,000$ volts	10
▶ Interelectrode Capacitances	
Grid-Plate	15.0 $\mu\mu\text{f}$
Grid-Filament	12.0 $\mu\mu\text{f}$
Plate-Filament	5.5 $\mu\mu\text{f}$

Mechanical:

▶ Mounting Position— Vertical, Base Down	
▶ Type of Cooling—Radiation	
▶ Net Weight, approximate	2 Pounds

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In satisfying the customer and winning his confidence, Federal has reduced tube selling to a formula.

Maximum Ratings and Typical Operating Conditions

AUDIO-FREQUENCY POWER AMPLIFIER—CLASS A

Maximum Ratings, Absolute Values

DC Plate Voltage	3,500 Volts
Plate Dissipation	600 Watts

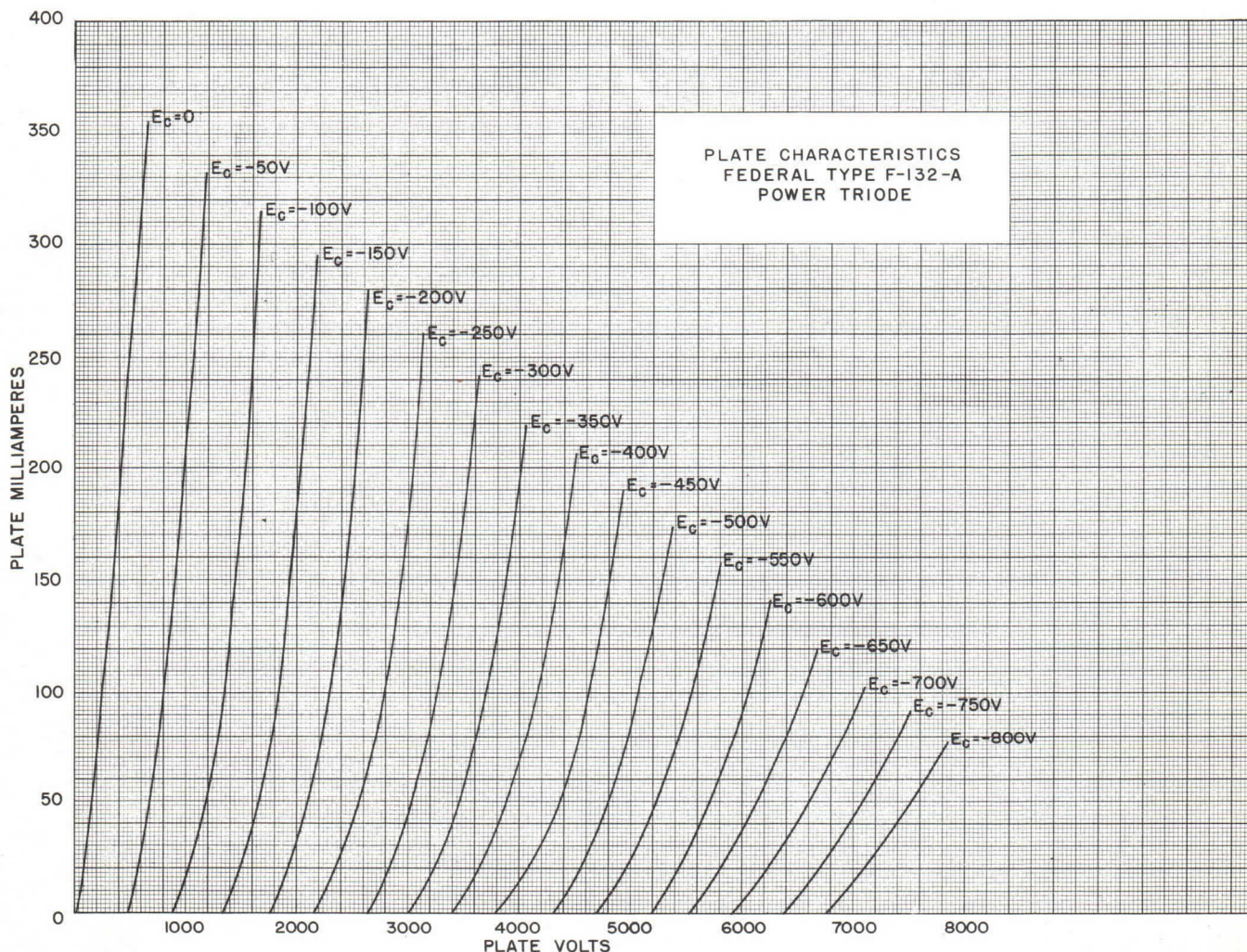
Typical Operation

As push-pull Class A driver for 2 Type F-125-A tubes.

(Unless otherwise specified, values are for two tubes)

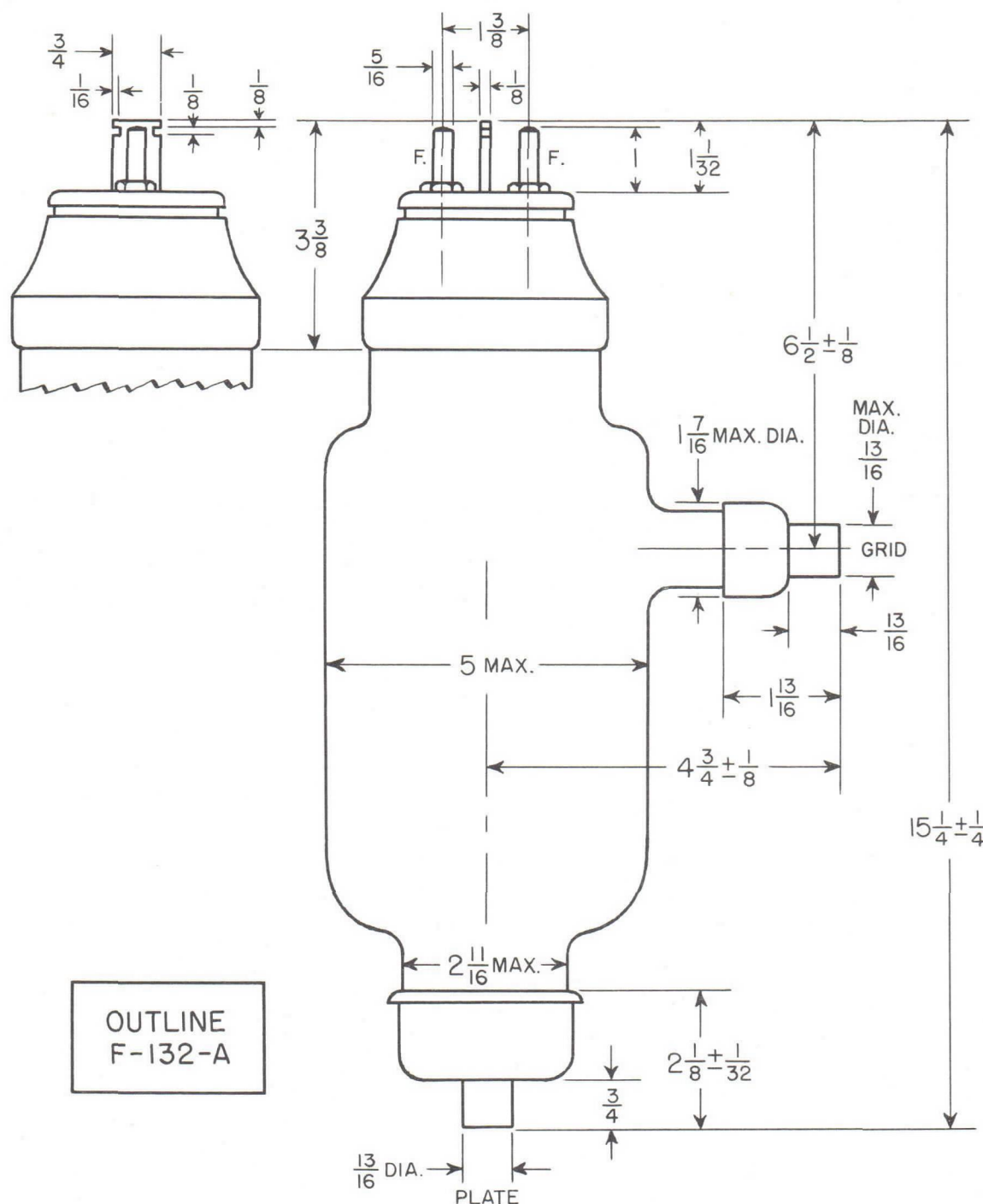
DC Plate Voltage	3,500	2,700 Volts
DC Grid Voltage	—300	—225 Volts

Zero Signal Plate Current	0.308	0.300 Ampere
Maximum Signal Plate Current	0.317	0.307 Ampere
Peak Grid to Grid Signal Voltage	590	440 Volts
Peak Plate to Plate Output Voltage	5,700	4,000 Volts
Effective Plate to Plate Load Impedance	40,000	35,000 Ohms
Output Transformer turns ratio	1:1	1:1.3
Total Harmonic Distortion	2	1 Percent



One reason why Federal tubes are trade-marked, is to show the craftsman's pride and Federal's satisfaction in work well done.

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OUTLINE
F-132-A



**Federal Always Has
Made Better Tubes**