

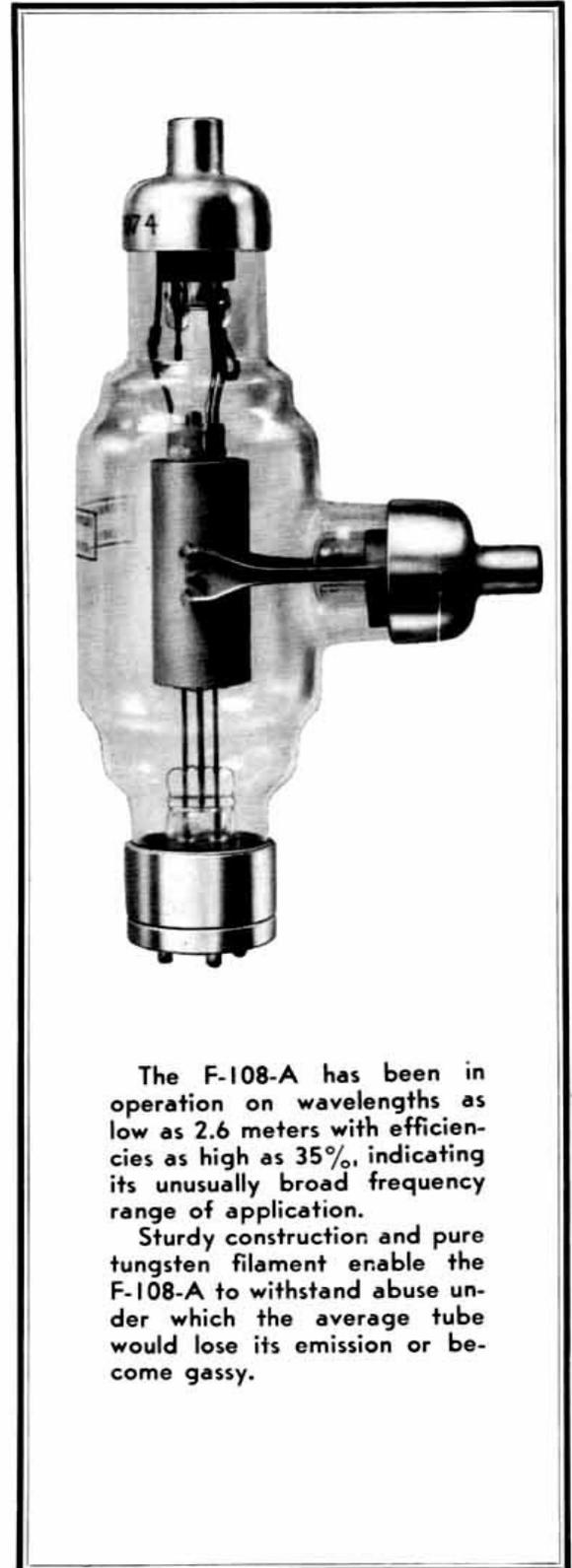
FEDERAL TELEGRAPH CO.

Vacuum Tube Type F-108-A

RATINGS AND DATA

Main Use	General Purpose
No. of Electrodes	3
Filament Voltage	10 volts
Current	11 amperes
Type	Tungsten
Average Characteristic Values Calculated at Eb = 1500, Ec = 0, Ef = 10 volts.	
Plate Current	.105 amperes
Amplification Factor	12
Plate Resistance	8500 ohms
Mutual Conductance	1400 micromhos
Approximate Direct Inter-electrode Capacities	
Plate to Grid	7 mmf.
Grid to Filament	3 mmf.
Plate to Filament	2 mmf.
Overall Dimensions	
Maximum Length	11 ¹ / ₈ inches
Minimum Length	10 ⁷ / ₈ inches
Maximum Radius	4 ³ / ₄ inches
Type Base	Standard 50 Watt
Mounting	Standard 50 Watt
Type of Cooling	Air
Operating Limits	
Maximum Plate Voltage	3000 volts
Maximum D.C. Plate Current	.225 amperes
Maximum Plate Dissipation	175 watts
Maximum R.F. Grid Current	10 amperes
Maximum D.C. Grid Current	.065 amperes

The above information by no means represents exact conditions of operation to be imposed for any particular situation. Tubes are used under many widely different conditions and consequently the manufacturer should be consulted for information regarding characteristics for design purposes.



The F-108-A has been in operation on wavelengths as low as 2.6 meters with efficiencies as high as 35%, indicating its unusually broad frequency range of application.

Sturdy construction and pure tungsten filament enable the F-108-A to withstand abuse under which the average tube would lose its emission or become gassy.

FEDERAL TELEGRAPH CO.

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