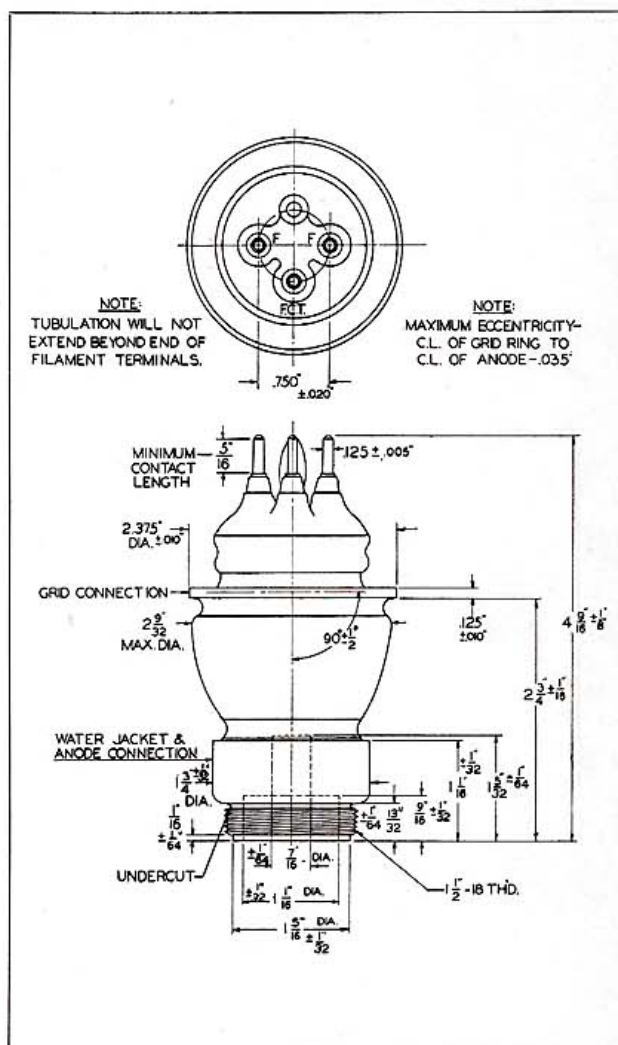


TRANSMITTING TUBE TYPE 6C22

Technical Data

- | | |
|---|------------------------------------|
| ▶ Main Use | R-F Power Amplifier,
Oscillator |
| ▶ Number of Electrodes | 3 |
| ▶ Filament Voltage | 6.5 volts |
| Current | 18.5 amperes |
| Type | Thoriated Tungsten |
| ▶ Thermionic Emission | 5.0 amperes |
| ▶ Amplification Factor | 9 |
| ▶ Approximate Direct Inter-electrode Capacitances | |
| Plate to Grid | 6.0 $\mu\mu\text{f}$ |
| Grid to Filament | 6.5 $\mu\mu\text{f}$ |
| Plate to Filament | 0.4 $\mu\mu\text{f}$ |
| ▶ Type of Cooling | Water |
| ▶ Minimum Flow | 0.5 G.P.M. |



Federal Telephone and Radio Corporation

Vacuum Tube Division



TRANSMITTING TUBE TYPE 6C22

1000 Watts Plate Dissipation

Maximum Ratings and Typical Operation Data

For maximum frequency of 600 megacycles

CLASS C TELEGRAPHY R-F POWER AMPLIFIER AND OSCILLATOR

(No amplitude modulation)

Maximum Ratings

DC Plate Voltage	3000	2500	volts
DC Plate Current		0.75	amperes
DC Grid Current	.04	0.075	amperes
Plate Input		1,875	watts
Plate Dissipation		1,000	watts

Typical Operation as Oscillator at 600 MC

DC Plate Voltage	2500	1200	volts
DC Plate Current		0.6	amperes
DC Grid Current	.035	0.050	amperes
Power Output	700	250	watts

Typical Operation: Neutralized Inverted Amplifier at 600 MC

DC Plate Voltage	1,600	volts
DC Plate Current	0.65	amperes
Power Output	500	watts
Driving Power	190	watts

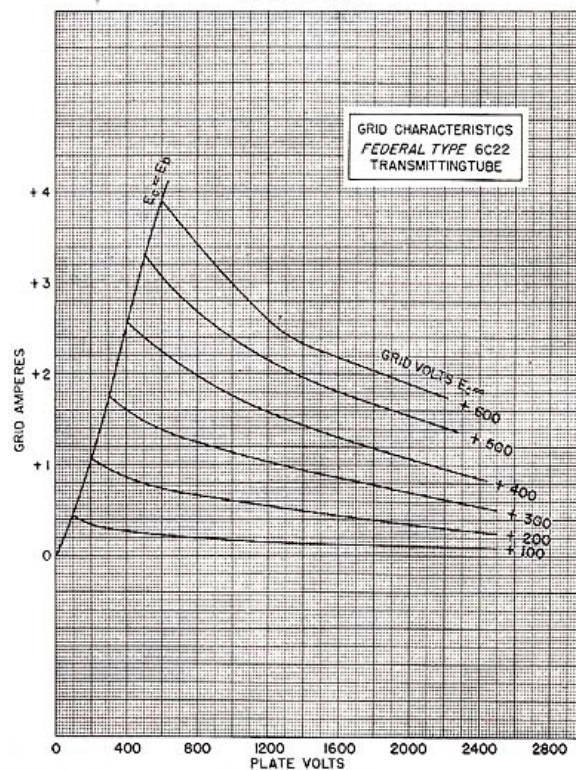
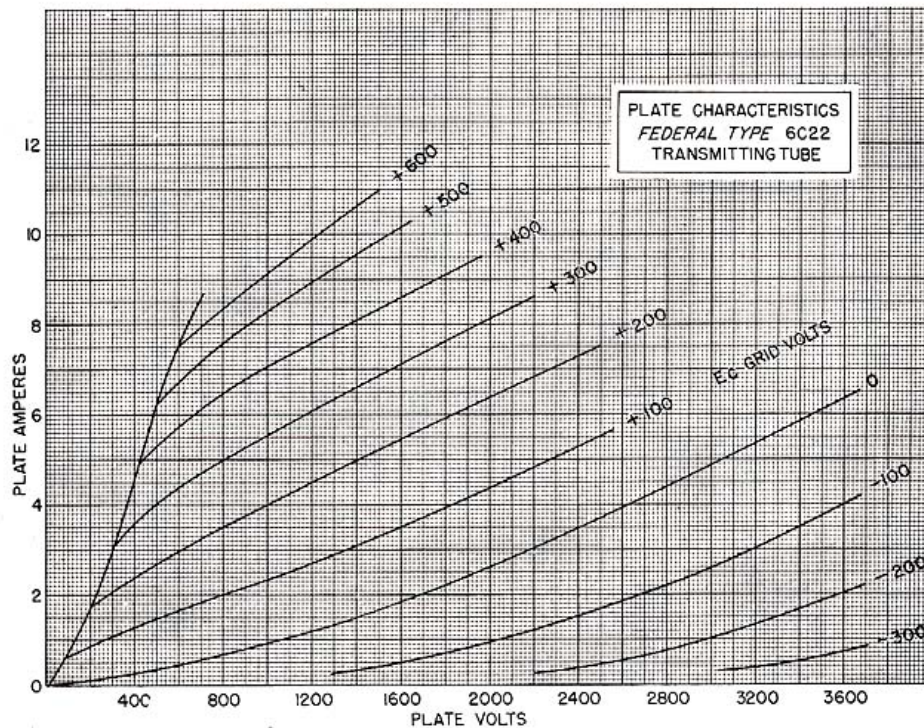
Typical Operation: Frequency Tripler

DC Plate Voltage	1,100	volts
DC Plate Current	0.275	amperes
DC Grid Voltage	-400	volts
DC Grid Current	0.02	amperes
Driving Power	150	watts @ 200 MC
Power Output	100	watts @ 600 MC



TRANSMITTING TUBE TYPE 6C22

1000 Watts Plate Dissipation



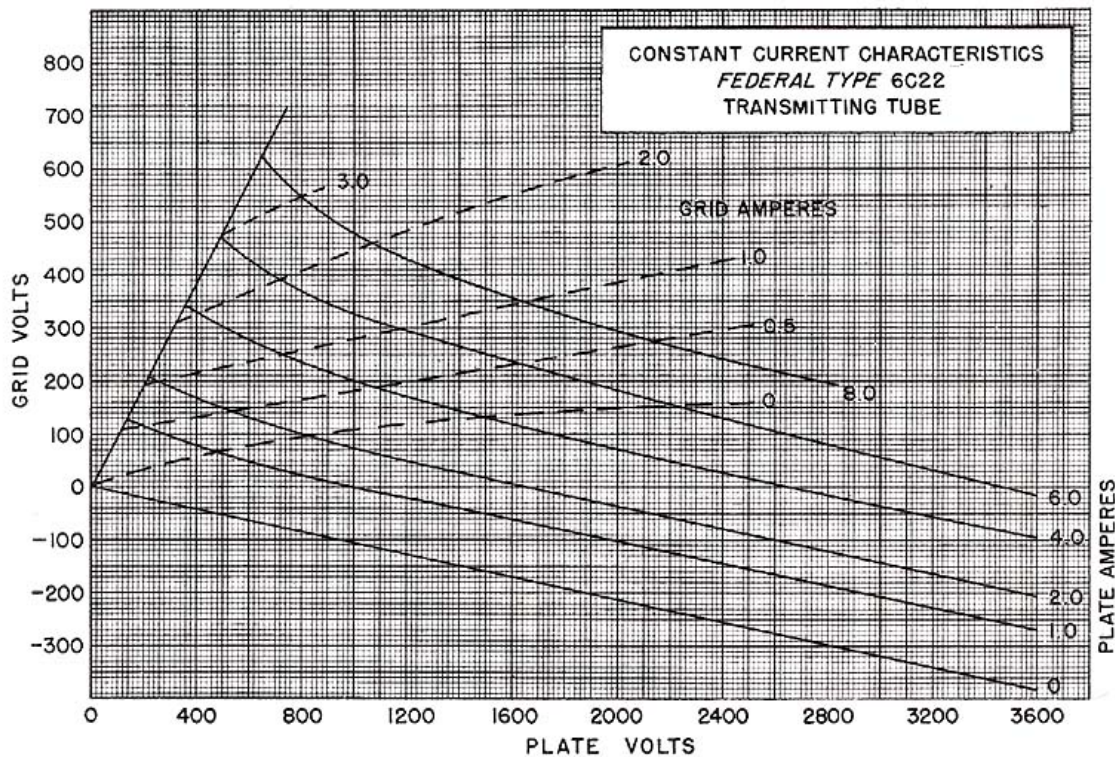
Federal Telephone and Radio Corporation

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TRANSMITTING TUBE TYPE 6C22

1000 Watts Plate Dissipation



Vacuum Tube Division

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