

GENERAL ELECTRIC

Transmitting Tube GL-211 - - Instructions

U.S. Army Signal Corps Tube Type VT-4-C

The GL-211 is a general-purpose three-electrode vacuum tube and may be used as a Class A, B, or C amplifier.

TECHNICAL INFORMATION

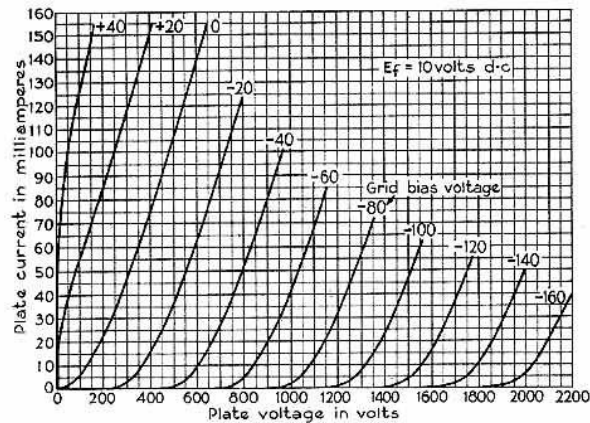
GENERAL CHARACTERISTICS:

Filament Voltage, volts	10
Filament Current, amperes	3.25
Amplification Factor	12
Grid-plate Transconductance, mmhos,	
$I_b = 60$ ma	3600
Direct Interelectrode Capacitances, μ mf	
Grid-plate	14.5
Input	6
Output	5.5
Base	Jumbo 4- Large Pin
Net Weight, oz approx	8
Shipping Weight, lb approx	4

MAXIMUM RATINGS AND TYPICAL OPERATING CONDITIONS

	Typical Operation	Max Rat- ings
CLASS A A-F AMPLIFIER AND MODULATOR:		
D-c Plate Voltage, v	750 1000 1250	1250
Plate Dissipation, w		75
D-c Grid Voltages, v	-46 -61 -75	
Peak Grid Swing, approx volts	41 56 75	
D-c Plate Current, ma	34 53 60	
Plate Resistance, ohms	4400 3800 3600	
Load Resistance, ohms	8800 7600 9200	
Plate Power Output (5% Second Harmonic), w	5.6 12 19.7	
CLASS B A-F POWER AMPLIFIER (TWO TUBES):		
D-c Plate Voltage, v	1000 1250 1250	
Max Signal Plate Cur- rent (per tube) §, amp		0.175
D-c Max Signal Plate Input (per tube) §, w		220
Plate Dissipation (per tube) §, w		100
D-c Grid Voltage, v	-72 -95	
Peak A-f Grid Input Voltage, v	380 410	
Zero Signal Plate Current, ma	20 20	
Max Signal Plate Current, ma	320 320	
Max Signal Driving Power, approx w	7.5 8	
Effective Load (plate to plate), ohms	6900 9000	
Max Signal Plate Power Output, watts	200 260	

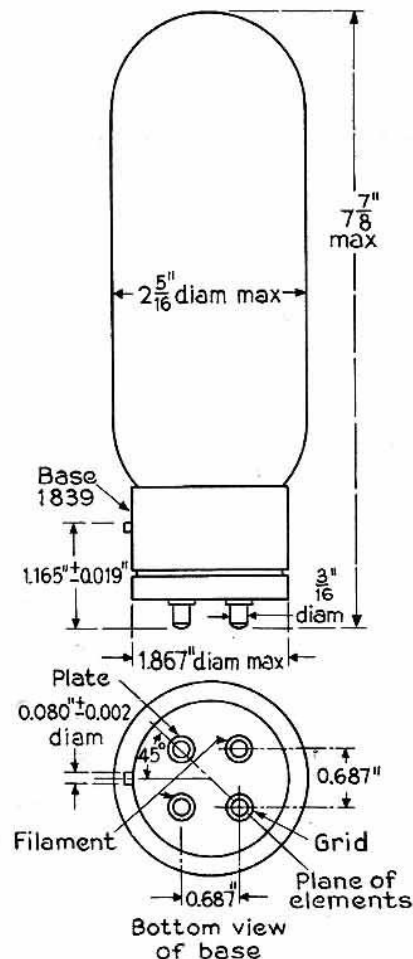
§ Averaged over any audio-frequency cycle



Average Plate Characteristics

K-6917423

9-20-39



K-4909036

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