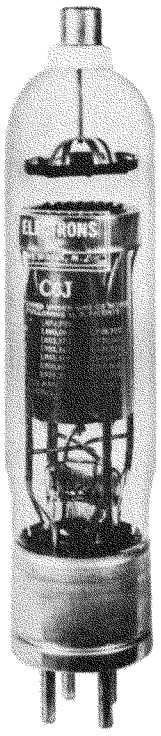
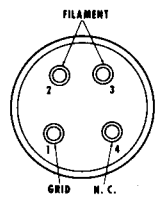


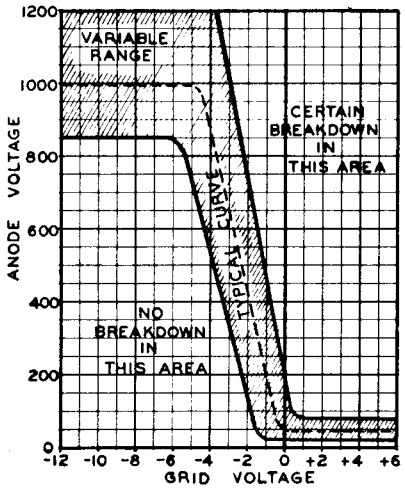
GRID CONTROL RECTIFIER TUBE

TANTALUM ANODE AND XENON GAS FILLING

Maximum Rated Anode Current	
D-c. Meter Value-Continuous	6.4 amps
D-c. Meter Value-Overload less than 3 sec.	12.8 amps
Averaging Time	6 secs
Oscillograph Peak-Continuously recurring	77 amps
Max. Instantaneous Short Circuit Current (0.1 sec.)	770 amps
Peak Forward Voltage (Max. Instantaneous)	750 volts
Peak Inverse Voltage (Max. Instantaneous)	1250 volts
Max. Commutation Factor (V/usec x A/usec) at a maximum initial inverse voltage of 350 volts	0.66
Filament	
Voltage	2.5 volts
Current	21±2 amps
Heating Time (minimum)	60 secs
Average Arc Drop	
Average Tube	9 volts
Highest Tube at end of life	12 volts
Anode Starting Voltage (D. C.) @ +4V d-c. grid voltage	
Average Tube	40 volts
Highest Tube	75 volts
Grid Characteristics	
Critical Grid Voltage @ 750 p.f.v.	-3.5±1.5 volts
Critical Grid Current	Less than 10 uamps
Grid-Anode Capacitance	approx. 4 uuf
Grid-Filament Capacitance	approx. 21 uuf
Maximum Negative Grid Voltage	100 volts
Deionization Time	Less than 1000 usecs
Ambient Temperature Limits	-55° to +75° C
Overall Dimensions	2-1/32" x 9-1/2" Max.
Weight	7 ozs.



BOTTOM VIEW OF BASE



Connections

Filament and Grid	Metal industrial base A4-81
Anode	C1-5 cap (0.56" dia.) with ceramic insulator.

The filament must be lit before drawing d-c. load current.

The anode is designed to operate at red heat when under full load.

All of the above values are for returns to the filament transformer center tap. Filament pin #2 should be negative with respect to pin #3 during the anode conduction period.

The Engineering Manual contains additional information which should be considered in the circuit design.

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