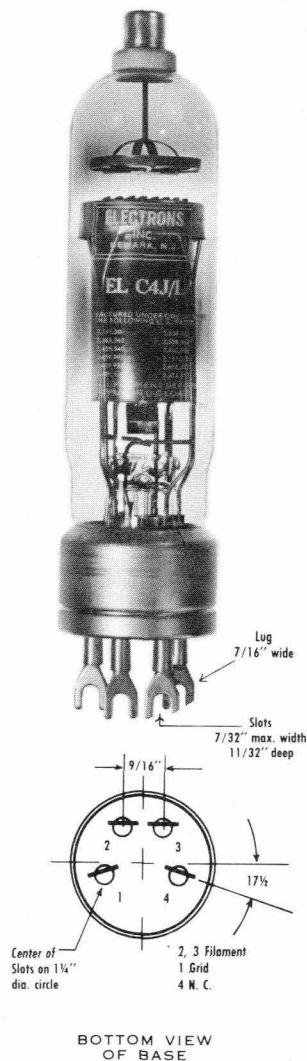


GRID CONTROL RECTIFIER TUBE



TANTALUM ANODE AND XENON GAS FILLING

Maximum Rated Anode Current	
D-c Meter Value-Continuous	4.0 amps
D-c Meter Value-Overload less than 3 sec.	8.0 amps
Averaging Time	6 secs
Oscillograph Peak-Continuously recurring	40 amps

Peak Forward Voltage (Max. Instantaneous)	900 volts
Peak Inverse Voltage (Max. Instantaneous)	900 volts

Max. Commutation Factor (V/usec x A/usec) at a maximum initial inverse voltage of 350 volts	0.66
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Filament	
Voltage	2.5 volts
Current	21 $\pm$ 2 amps
Heating Time (minimum)	60 secs

Average Arc Drop	
Average Tube	12 volts
Highest Tube at end of life	15 volts

Anode Starting Voltage (D.C.) @ +4V d-c grid voltage	
Average Tube	40 volts
Highest Tube	75 volts

Grid Characteristics	
Critical Grid Voltage @ 900 p.f.v.	-5.0 $\pm$ 3.0 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
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Deionization Time	Less than 1000 usecs
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Maximum Peak A-c Fault Current (Max. duration 0.1 sec.)	600 amps
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Ambient Temperature Limits	-55° to + 75° C
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Overall Dimensions	2-3/16" x 10" Max.
Weight	8 ozs.

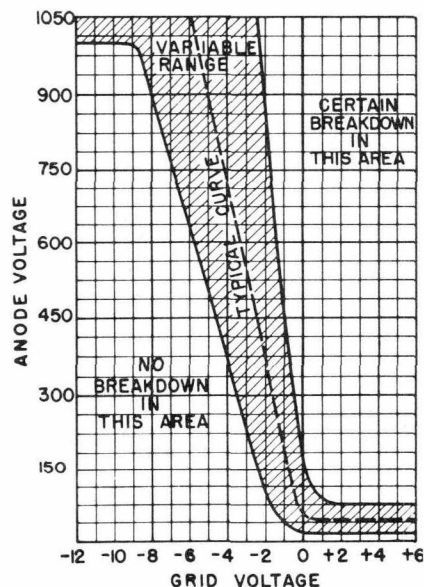
Connections	
Filament and Grid	Lug type base
Anode	Cl-5 cap (0.56" dia.) with ceramic insulator

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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