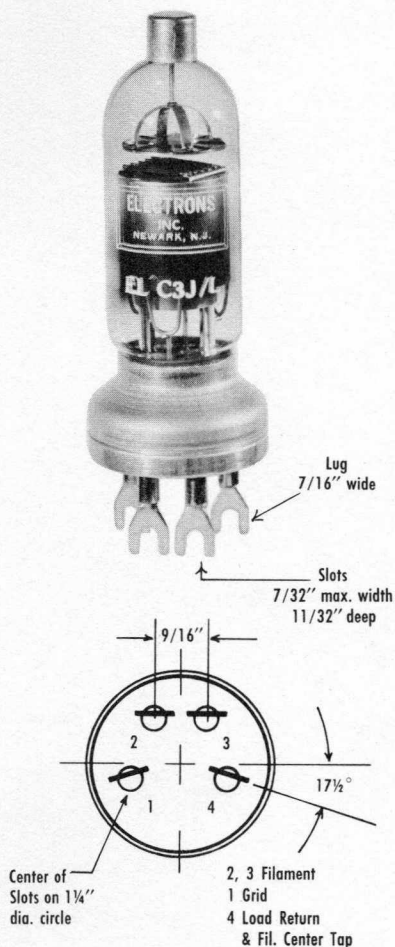
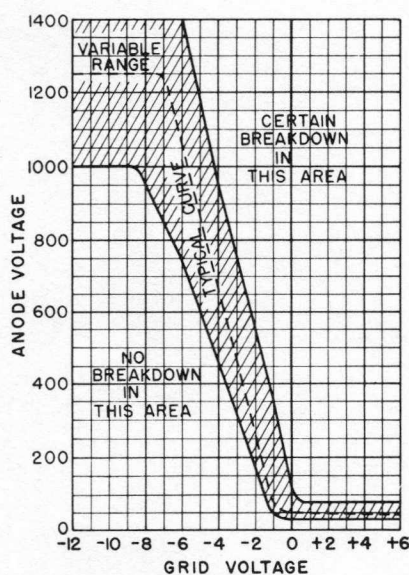


GRID CONTROL RECTIFIER TUBE

Tentative Data

TANTALUM ANODE AND XENON GAS FILLING

BOTTOM VIEW
OF BASE

Maximum Rated Anode Current	
D-c. Meter Value-Continuous	2.5 amps
D-c. Meter Value-Overload less than 3 sec.	3.7 amps
Averaging Time	4.5 secs
Oscillograph Peak-Continuously recurring	30 amps

Peak Forward Voltage (Max. Instantaneous)	900 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
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Filament	
Voltage	2.5 volts
Current	9+2 amps
Heating Time (minimum)	30 secs

Average Arc Drop	
Average Tube	10 volts
Highest Tube at end of life	14 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.	-5.7 ± 1.9 volts
Critical Grid Current	Less than 10 uamps
Grid-Anode Capacitance	approx. 2 uuf
Grid-Filament Capacitance	approx. 14 uuf

Maximum Negative Grid Voltage	100 volts
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Deionization Time	Less than 1000 usecs
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Max. Peak A-c Fault Current (Max. duration 0.1 sec.)	300 amps
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Ambient Temperature Limits	-55° to +75° C.
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Mounting Position	Any
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Overall Dimensions	2-3/16" x 6-3/4" max.
Weight	5 ozs.

Connections	
Filament and Grid	Lug type base
Anode	C1-5 cap at top (0.56" dia.)

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 center tap.

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

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