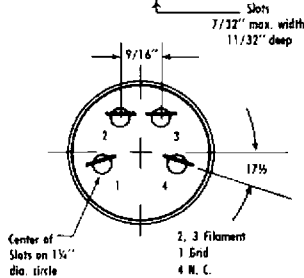


GRID CONTROL RECTIFIER TUBE

Xenon Gas Filling



<b>Maximum Rated Anode Current</b>	
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
Peak Forward Voltage (Max. Instantaneous)	1000 volts
Peak Inverse Voltage (Max. Instantaneous)	1250 volts
<b>Max. Commutation Factor (V/usec x A/usec)</b>	
	130
<b>Filament</b>	
Voltage	2.5 volts
Current	21±2 amps
Heating Time (minimum)	60 secs
<b>Average Arc Drop</b>	
Average Tube	11 volts
Highest Tube	15 volts
<b>Anode Starting Voltage @ +3V d-c grid voltage</b>	
Average Tube	40 volts
Highest Tube	80 volts
<b>Max. Anode Reverse Current</b>	
	100 uamps
<b>Grid Characteristics</b>	
Critical Grid Voltage @ 1000 p.f.v.	-2.0 to -15 volts
Critical Grid Current	Less than 20 uamps
Grid-Anode Capacitance	approx. 5 uuf
Grid-Filament Capacitance	approx. 21 uuf
<b>Maximum Negative Grid Voltage</b>	
	100 volts
<b>Deionization Time</b>	
	Less than 1000 usecs
<b>Max. Peak A-c Fault Current</b>	
(Max. duration 0.1 sec.)	770 amps
<b>Ambient Temperature Limits</b>	
	-55° to +75° C
<b>Overall Dimensions</b>	
	2-3/16" x 9-1/4" max.
<b>Weight</b>	
	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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