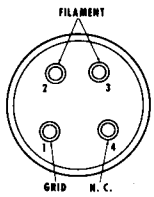


GRID CONTROL RECTIFIER TUBE

TANTALUM ANODE AND XENON GAS FILLING



BOTTOM VIEW OF BASE

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
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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
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Deionization Time		Less than 1000 usecs
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Ambient Temperature Limits		-55° to +75° C
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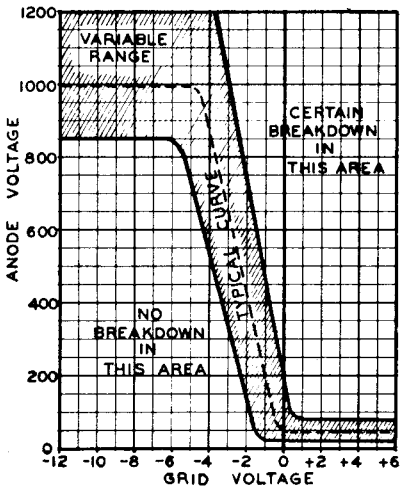
Overall Dimensions		2-1/32" x 9-1/2" Max.
Weight		7 ozs.

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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