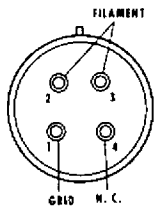


BOTTOM VIEW OF BASE

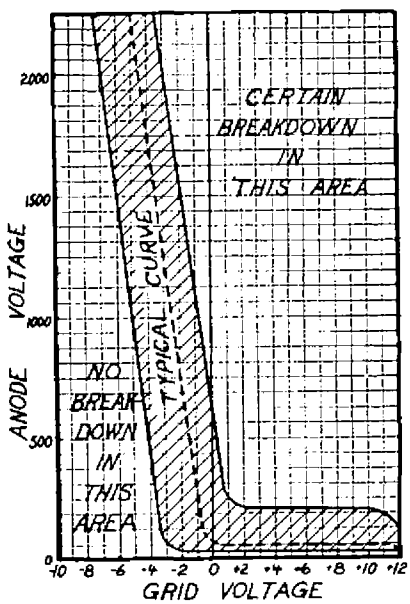
GRID CONTROL RECTIFIER TUBE

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
Peak Forward Voltage (Max. Instantaneous)	2000 volts
Peak Inverse Voltage (Max. Instantaneous)	4000 volts
Max. Commutation Factor (V/usec x A/usec) at a maximum initial inverse voltage of 300 volts	0.66
Filament	
Voltage	2.5 volts
Current	24±2 amps
Heating Time (minimum)	50 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	50 volts
Highest Tube	200 volts
Grid Characteristics	
Critical Grid Voltage @ 2000 p.f.v.	-5±2 volts
Critical Grid Current	Less than 10 uamps
Grid-Anode Capacitance	approx. 5 uuf
Grid-Filament Capacitance	approx. 25 uuf
Maximum Negative Grid Voltage	300 volts
Deionization Time	Less than 1000 usecs
Max. Peak A-c Fault Current (Max. duration 0.1 sec.)	770 amps
Ambient Temperature Limits	-55° to +75° C
Overall Dimensions	2-9/16" x 11-1/2" Max.
Weight	10 ozs.

Connections

Filament and Grid	Metal super jumbo 4-pin base #4310
Anode	C1-5 cap at top (0.56" dia.) with skirt



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 #3 should be negative with respect to pin #2 during the anode conduction period.

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

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