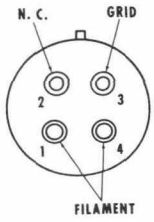


BOTTOM VIEW
OF BASE

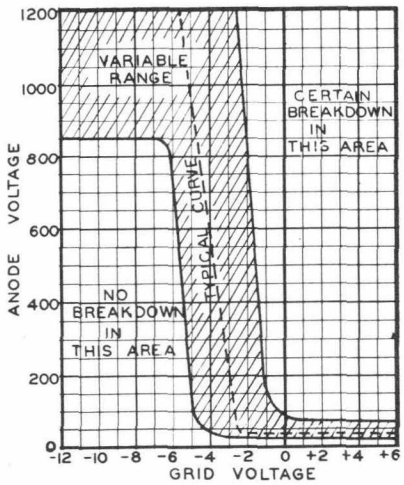
GRID CONTROL RECTIFIER TUBE

TANTALUM ANODE AND XENON GAS FILLING

Maximum Rated Anode Current	
D-c. Meter Value-Continuous	1.0 amp
D-c. Meter Value-Overload less than 3 sec.	1.5 amps
Oscillograph Peak-Continuously recurring	8.0 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 500 volts	0.15
Filament	
Voltage	2.5 volts
Current	6.3 ± 0.8 amps
Heating Time (minimum)	25 secs
Average Arc Drop	
Average Tube	8 volts
Highest Tube at end of life	14 volts
Anode Starting Voltage (D. C.) @ +4V d-c. grid voltage	
Average Tube	30 volts
Highest Tube	75 volts
Grid Characteristics	
Critical Grid Voltage @ 750 p.f.v.	-4.0 ± 2.0 volts
Critical Grid Current	Less than 5 uamps
Grid-Anode Capacitance	approx. 2 uuf
Grid-Filament Capacitance	approx. 7.5 uuf
Maximum Negative Grid Voltage	100 volts
Deionization Time	Less than 1000 usecs
Max. Peak A-c Fault Current (Max. duration 0.1 sec.)	77 amps
Ambient Temperature Limits	-55° to +75° C
Mounting Position	Any
Overall Dimensions	1-9/16" x 4-3/4" Max.
Weight	3 ozs.

Connections

Filament and Grid	Medium 4-pin bayonet base A4-10
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 transformer center tap.

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

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7/1/55