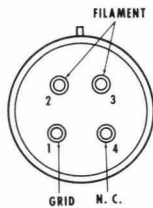
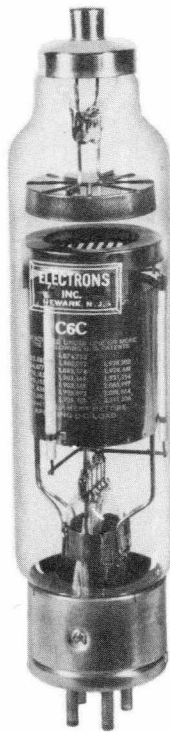
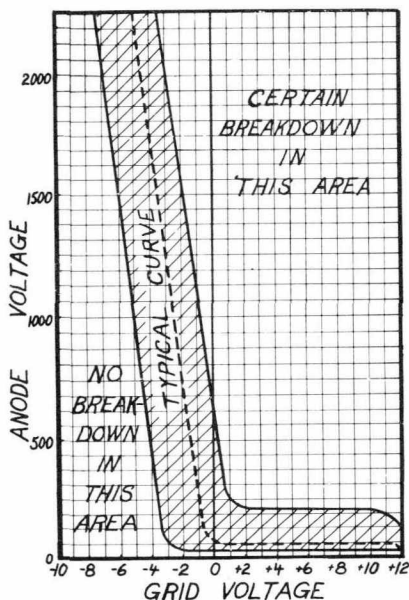


GRID CONTROL RECTIFIER TUBE

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

Peak Forward Voltage (Max. Instantaneous)

2000 volts

Peak Inverse Voltage (Max. Instantaneous)

4000 volts

Max. Commutation Factor (V/usec x A/usec)

0.66

at a maximum initial inverse voltage of 300 volts

Filament

Voltage	2.5 volts
Current	24 $\pm$ 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 $\pm$ 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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