

HALF-WAVE 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 10 sec.		12.8 amps
Averaging Time		7 secs
Oscillograph Peak-Continuously recurring		40 amps
Max. Instantaneous Short Circuit Current (0.1 sec.)		770 amps

Peak Inverse Voltage (Max. Instantaneous) 920 volts

Max. Commutation Factor (V/usec x A/usec) 0.66

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 (Instantaneous)

Average Tube	12 volts
Highest Tube	30 volts

Ambient Temperature Limits -55° to +75° C

Overall Dimensions 2-1/32" x 8-1/4" Max.
Weight 7 ozs.

Connections

Filament	5-1/8" flexible leads with lugs for #10 studs
Anode	C1-5 cap (0.56" dia.) with ceramic insulator
Vertical panel-mounted on two 1/4" studs 4-1/8" apart on a horizontal line.	

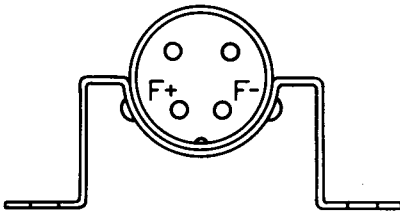
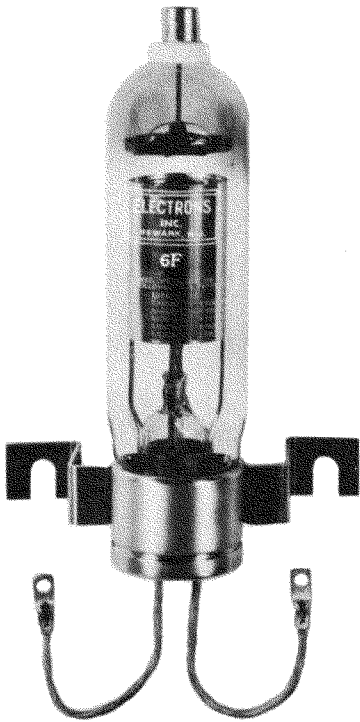
The filament must be lit before drawing d-c. load current.

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 lead F- should be negative with respect to F+ during the anode conduction period.

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

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BOTTOM VIEW
OF BASE