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 1/2 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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