HALF-WAVE RECTIFIER TUBE

TANTALUM ANODE AND XENON GAS FILLING

Maximum Rated Anode Current
D-c. Meter Value-Continuous 16 amps
D-c. Meter Value-Overload less than 10 sec. 32 amps
Averaging Time 7 secs
Oscillograph Peak-Continuously recurring 96 amps
Max. Instantaneous Short Circuit Current (0.1 sec.) 1000 amps

Peak Inverse Voltage (Max. Instantaneous) 620 volts

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

Filament
Current 2.5 volts
Heating Time (minimum) 36 ± 3.5 amps 3 min.

Average Arc Drop
Average Tube 7 volts
Highest Tube at end of life 10 volts

Anode Starting Voltage (Instantaneous)
Average Tube 12 volts
Highest Tube 30 volts

Ambient Temperature Limits -55° to +75° C

Overall Dimensions 2-1/4" x 15-3/4" Max.
Weight 15 ozs.

Connections
Filament 5-1/8" flexible leads, lugs for 1/4" studs
Anode 5-1/8" flexible lead at top, lug for 1/4" stud
Vertical panel-mounted on two 1/4" studs 14" apart on a vertical 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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