FULL-WAVE RECTIFIER TUBE

TANTALUM ANODES AND XENON GAS FILLING

Maximum Rated Current per Tube
D-c. Meter Value-Continuous 1.0 amp
D-c. Meter Value-Overload less than 3 sec. 1.5 amps
Averaging Time 4.5 secs
Oscillograph Peak-Continuously recurring 4.0 amps
Max. Instantaneous Short Circuit Current (0.1 sec.) 60 amps

Peak Inverse Voltage (Max. Instantaneous) 725 volts

Max. Commutation Factor (V/ usec x A/usec) 0.66
Max. Anode Supply Frequency 250 cps

Filament
Voltage 2.5 volts
Current 6.0 ± 0.5 amps
Heating Time (minimum) 20 secs

Average Arc Drop
Average Tube 8 volts
Highest Tube at end of life 13 volts

Anode Starting Voltage (Instantaneous)
Average Tube 12 volts
Highest Tube 15 volts

Ambient Temperature Limits -55° to +75° C

Mounting Position Any

Overall Dimensions 1-9/16" x 6" Max.
Weight 2-1/2 ozs.

Connections Medium 4-pin bayonet base A4-10

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

All of the above values are for returns to the filament transformer center tap.

The filament voltage should be phased so the a-c. voltage (with the tube out of the socket and some d-c. load connected) from pin #1 to pin #2 is lower than from pin #1 to pin #3. This phasing of filament voltage relative to anode voltage insures a lower arc drop and somewhat longer life.

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

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