FULL-WAVE RECTIFIER TUBE

TANTALUM ANODES AND XENON GAS FILLING

Maximum Rated Current per Tube
- D-c. Meter Value-Continuous: 2.5 amps
- D-c. Meter Value-Overload less than 3 sec.: 3.7 amps
- Averaging Time: 4.5 secs
- Oscillograph Peak-Continuously recurring: 10 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: 11.5 ± 1 amps
- Heating Time (minimum): 30 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

Max. Peak A-c Fault Current
- (Max. duration 0.1 sec.): 150 amps

Ambient Temperature Limits
- -55° to +75° C

Mounting Position
- Any

Overall Dimensions
- 2-3/16" x 7-3/4" max.
Weight
- 6 ozs.
Connections
- Lug type base

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.