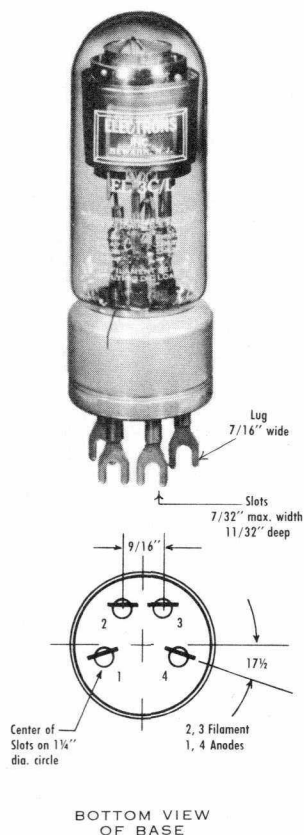


FULL-WAVE RECTIFIER TUBE

TANTALUM ANODES AND XENON GAS FILLING

BOTTOM VIEW
OF BASE

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.

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