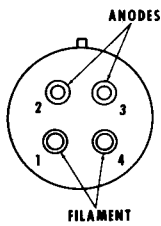
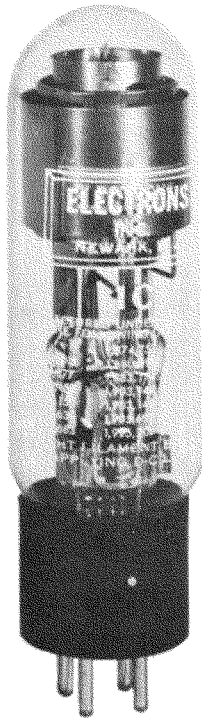


FULL-WAVE RECTIFIER TUBE

BOTTOM VIEW
OF BASE

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 (0.1sec.)	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 $+75^{\circ}$ 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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