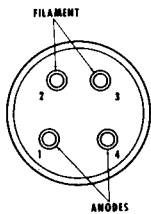


FULL-WAVE RECTIFIER TUBE

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
Max. Instantaneous Short Circuit Current (0.1 sec.)	150 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
Ambient Temperature Limits	-55° to +75° C
Mounting Position	Any
Overall Dimensions	2-1/32" x 7-1/2" Max.
Weight	5 ozs.
Connections	Metal industrial base A4-81

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.

EL 3CF

Ratings and characteristics of the EL 3CF are the same as for the EL 3C. The only difference is a special base of 1.54" maximum diameter.

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