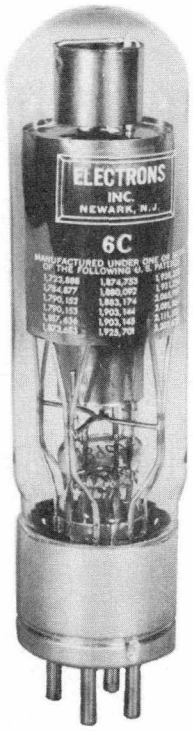
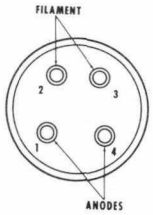
FULL-WAVE RECTIFIER TUBE

TANTALUM ANODES AND XENON GAS FILLING





BOTTOM VIEW OF BASE

Maximum Rated Current per Tube	
D-c. Meter Value-Continuous	6.4 amps
D-c. Meter Value-Overload less than 3 sec.	9.6 amps
Averaging Time	4.5 secs
Oscillograph Peak-Continuously recurring	25.6 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	17$\pm$2 amps
Heating Time (minimum)	40 secs
Average Arc Drop	
Average Tube	8 volts
Highest Tube at end of life	13 volts
Anode Starting Voltage (Instantaneous)	
Average Tube	13 volts
Highest Tube	18 volts
Max. Peak A-c Fault Current (Max. duration 0.1 sec.)	360 amps
Ambient Temperature Limits	-55° to +75° C
Overall Dimensions	2-1/32" x 8" Max.
Weight	6 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 6CF

Ratings and characteristics of the EL 6CF are the same as for the EL 6C. The only differences are the overall length which is 8.5" max., 7.0" min., and the base which is a special 4-prong base of 1.54" max. diameter.

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