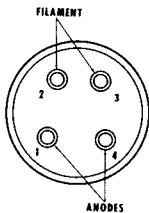
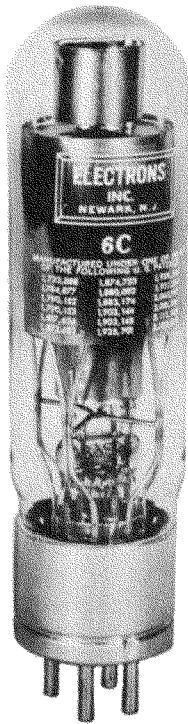


FULL-WAVE RECTIFIER TUBE

BOTTOM VIEW
OF BASE

TANTALUM ANODES AND XENON GAS FILLING

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
Max. Instantaneous Short Circuit Current (0.1sec.)	360 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 [±] 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

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.

ELECTRONS, INCORPORATED

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