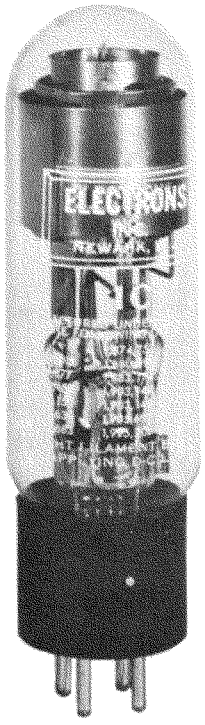
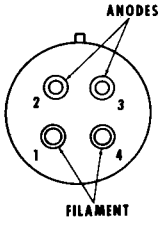
# FULL-WAVE RECTIFIER TUBE




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 (0.1 sec.) | 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° | 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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