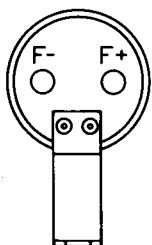


HALF-WAVE RECTIFIER TUBE

TANTALUM ANODE AND XENON GAS FILLING

BOTTOM VIEW
OF BASE

Maximum Rated Anode Current	
D-c. Meter Value-Continuous	16 amps
D-c. Meter Value-Overload less than 10 sec.	32 amps
Averaging Time	7 secs
Oscillograph Peak-Continuously recurring	96 amps
Max. Instantaneous Short Circuit Current (0.1 sec.)	1000 amps
Peak Inverse Voltage (Max. Instantaneous)	620 volts
Max. Commutation Factor (V/usec x A/usec)	0.66
Filament	2.5 volts
Current	36 ⁺ 3.5 amps
Heating Time (minimum)	3 min.
Average Arc Drop	
Average Tube	7 volts
Highest Tube at end of life	10 volts
Anode Starting Voltage (Instantaneous)	
Average Tube	12 volts
Highest Tube	30 volts
Ambient Temperature Limits	-55° to +75° C
Overall Dimensions	2-1/4" x 15-3/4" Max.
Weight	15 ozs.
Connections	
Filament	5-1/8" flexible leads, lugs for 1/4" studs
Anode	5-1/8" flexible lead at top, lug for 1/4" stud
Vertical panel-mounted on two 1/4" studs 14" apart on a vertical line.	

The filament must be lit before drawing d-c. load current.

The anode is designed to operate at red heat when under full load.

All of the above values are for returns to the filament transformer center tap. Filament lead F- should be negative with respect to F+ during the anode conduction period.

The Engineering Manual contains additional information which should be considered in the circuit design.

ELECTRONS, INCORPORATED
127 Sussex Avenue
Newark 3, New Jersey