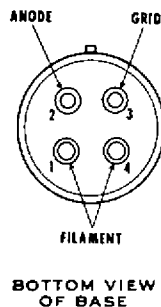
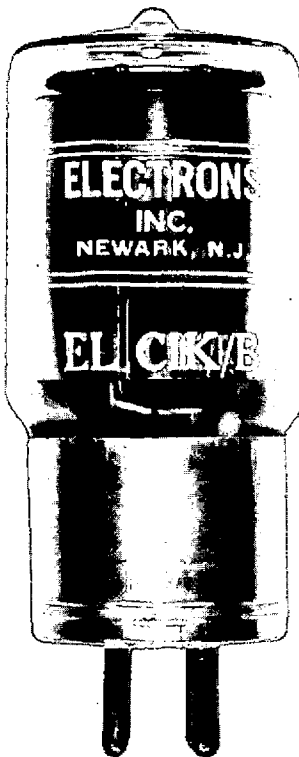


GRID CONTROL RECTIFIER TUBE

(Tentative Data)

TANTALUM ANODE AND XENON GAS FILLING

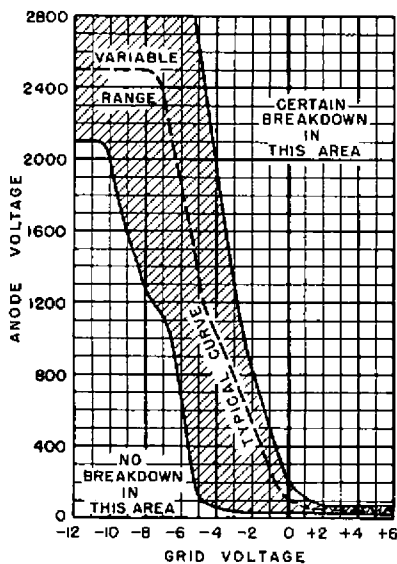


Maximum Rated Anode Current	
D-c. Meter Value-Continuous	1.0 amp
Averaging Time	4.5 secs
Oscillograph Peak-Continuously recurring	8.0 amps
Max. Short Circuit Current (0.1 sec.)	77 amps
Peak Forward Voltage (Max. Instantaneous)	2000 volts
Peak Inverse Voltage (Max. Instantaneous)	2000 volts
Minimum total effective anode to anode commutating inductance for peak inverse duty in excess of 1250 v must be 0.6 mh/volt of peak inverse above 1250 v.	
Max. Commutation Factor (V/usec x A/usec) at a maximum initial inverse voltage of 700 volts	0.04
Filament	
Voltage	2.5 volts
Current	6.3±0.8 amps
Heating Time (minimum)	25 secs
Average Arc Drop	
Average Tube	8 volts
Highest Tube at end of life	14 volts
Anode Starting Voltage (D. C.) @ +4V d-c. grid voltage	
Average Tube	25 volts
Highest Tube	75 volts
Grid Characteristics	
Critical Grid Voltage @ 2000 p. f. v.	-7.0±3.0 volts
Critical Grid Current	Less than 5 uamps
Grid-Anode Capacitance	approx. 1 uuf
Grid-Filament Capacitance	approx. 10 uuf
Maximum Negative Grid Voltage	100 volts
Deionization Time	Less than 500 usecs
Ambient Temperature Limits	-55° to +75° C
Mounting Position	Any
Overall Dimensions	1-9/16" x 4-3/8" Max.
Weight	3 ozs.
Connections	
Filament, Grid and Anode	Metal medium 4-pin bayonet base A4-10

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.

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



5/1/58

from JEDEC release #3770, June 18, 1962

ELECTRONS, INCORPORATED
127 Sussex Avenue
Newark 3, New Jersey