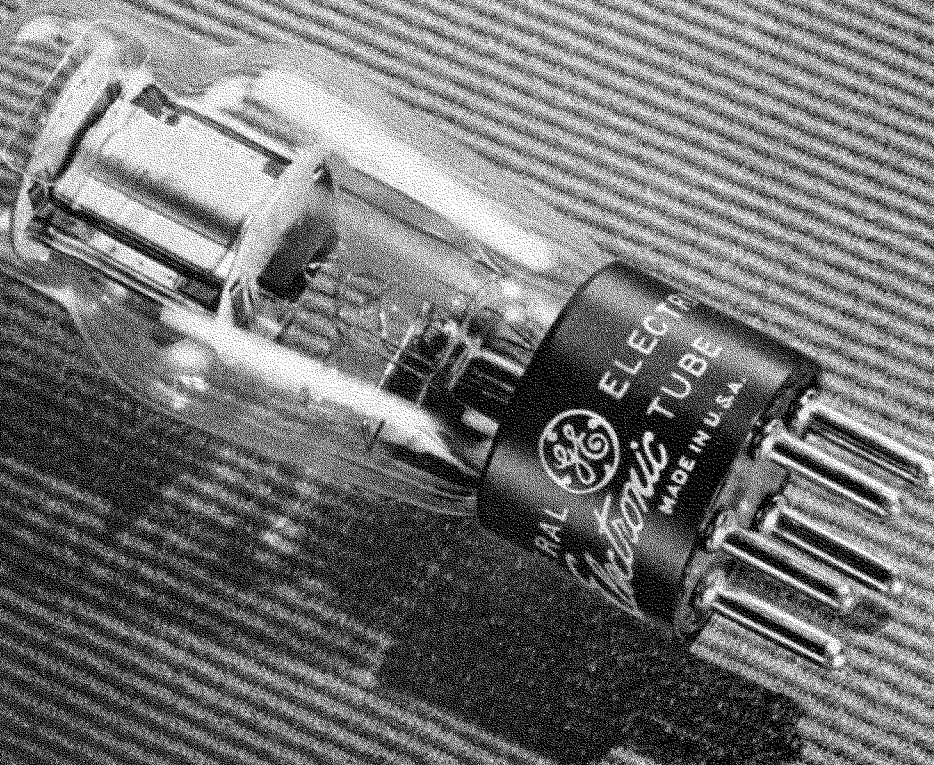




THYRATRON

DESCRIPTION

The GL-885 is an inert-gas-filled thyratron designed for use as a sweep-circuit oscillator in cathode-ray tube circuits. This tube may also be

used for general control applications where it is desired to actuate the tube with a change in negative grid voltage.

TECHNICAL INFORMATION

These data are for reference only. For design information refer to specifications.

GENERAL CHARACTERISTICS

Number of electrodes	3
Electrical	
Cathode—Indirectly heated type	
Voltage	2.5 volts
Current, approx	1.4 ampere
Heating time, typical	30 seconds
Peak voltage drop, approx	16 volts
Approximate control characteristics	
Anode voltage	300 volts
Grid voltage	-30 volts
Capacitance, approx	
Grid-to-anode	3.5 micromicrofarads
Grid-to-cathode	3.5 micromicrofarads
Anode-to-cathode	2.5 micromicrofarads
Mechanical	
Net weight, approx	0.3 ounces
Shipping weight, approx	0.3 pounds

GENERAL ELECTRIC



TECHNICAL INFORMATION (CONT'D)

MAXIMUM RATINGS

SWEEP-CIRCUIT OSCILLATOR RATING

Maximum anode voltage	
Peak, between any two electrodes.....	350 volts
Instantaneous.....	300 volts
Maximum anode current	
Peak.....	300 milliamperes
Average, 200 cycles per second and above.....	2 milliamperes
Average, below 200 cycles per second.....	3 milliamperes

GRID-CONTROLLED RECTIFIER RATING

(For frequencies below 75 cycles per second)	
Maximum peak anode voltage.....	350 volts
Maximum peak anode current.....	300 milliamperes
Maximum anode current*.....	75 milliamperes

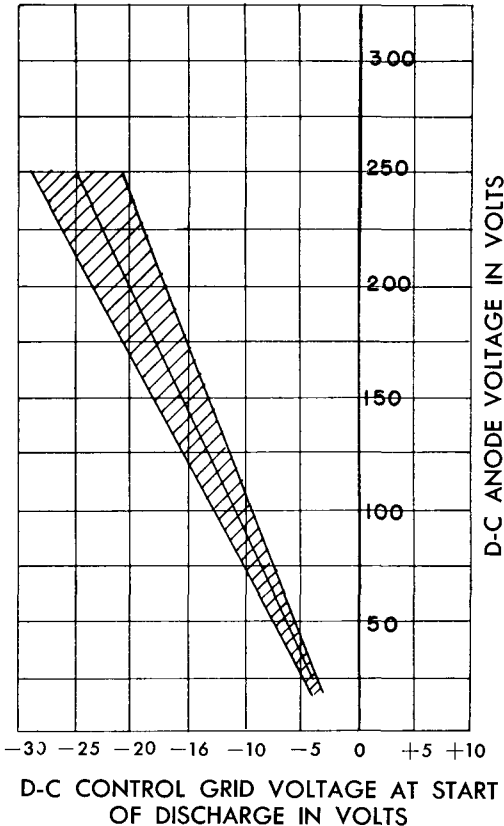
*Averaged over period of not more than 30 seconds.

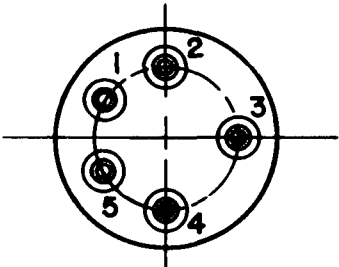
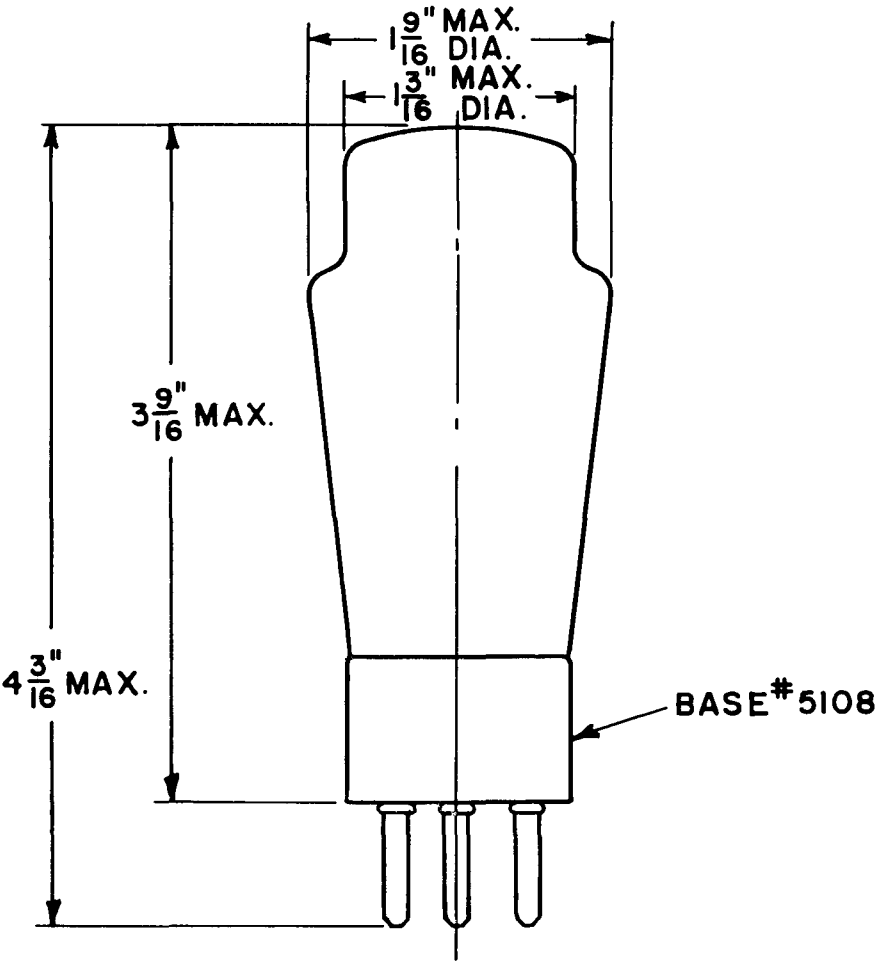
OPERATING NOTES

For both classes of service the grid resistor used should not be less than 1000 ohms per maximum instantaneous volt applied to the grid. Resistance values in excess of 0.5 megohms may cause circuit instability.

GL-885 TYPICAL CONTROL CHARACTERISTICS
SHADED AREA SHOWS RANGE OF CHARACTERISTICS

$GL-885 - E_g = 2.5 \text{ VOLTS}$





OUTLINE
GL-885 THYRATRON

PIN	CONNECTIONS
1	HEATER
2	ANODE
3	GRID
4	CATHODE
5	HEATER

Electronics Department
GENERAL ELECTRIC
Schenectady, N. Y.