THYRATRON

DESCRIPTION

The GL-393-A thyratron is designed for regulated-rectifier circuits. The use of a gas mixture of argon and mercury vapor provides constancy of characteristics within wide temperature limits. The construction, however, enables the tube to withstand higher voltages than many gas-filled types.

RECOMMENDED FOR REPLACEMENT ONLY

TECHNICAL INFORMATION

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

GENERAL CHARACTERISTICS

Number of electrodes			3	
Electrical				
Cathode—Filamentary type				
Filament voltage			2.5	volts
Filament current, approx.			7.0	amperes
Filament heating time, typical			15	seconds
Peak voltage drop, approx.			15	volts
Approximate starting characteristics				
Anode voltage	25	100	500	volts
Grid voltage	0	−2.5	−4.5	volts
Deionization time, approx.			1000	microseconds
Mechanical				
Net weight, approx.			3	ounces
Shipping weight, approx.			3	pounds
Mounting position				vertical, base down

GE Electronic TUBE

GENERAL ELECTRIC

TECHNICAL INFORMATION (CONT'D)

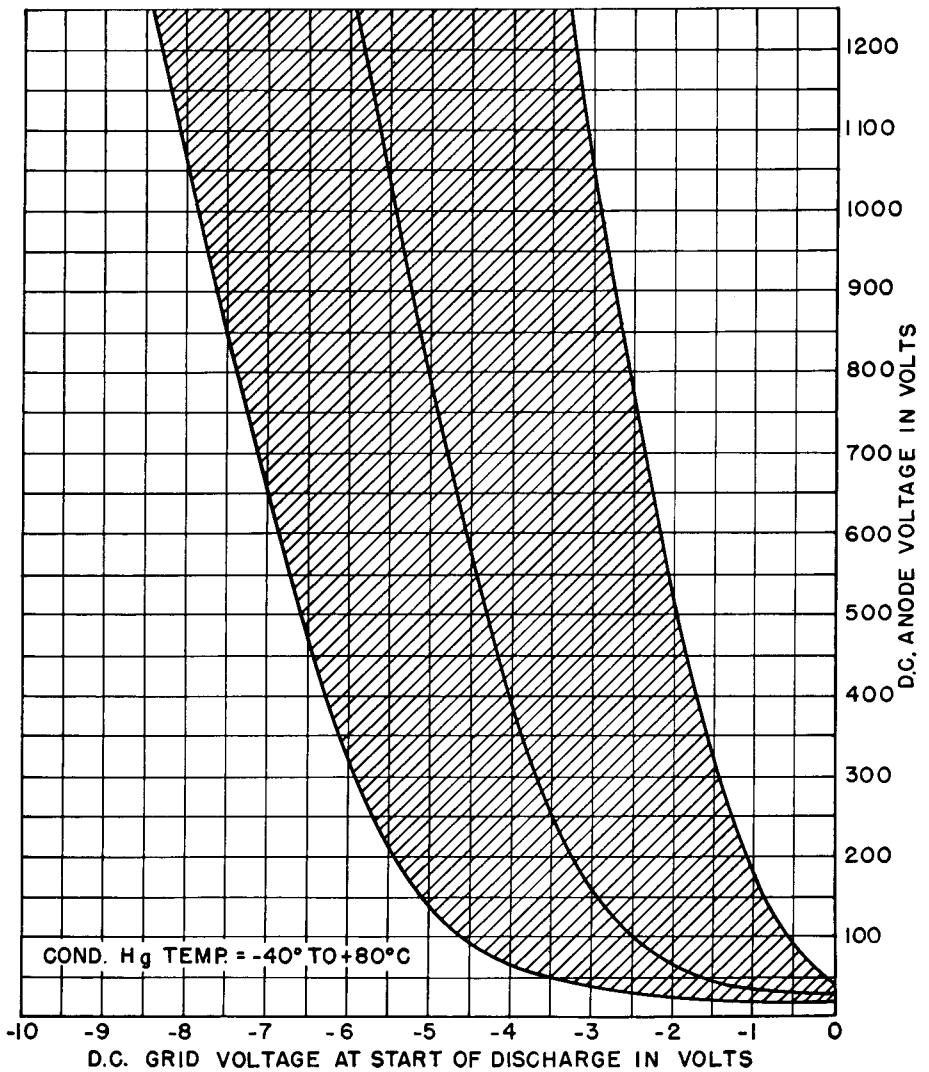
MAXIMUM RATINGS

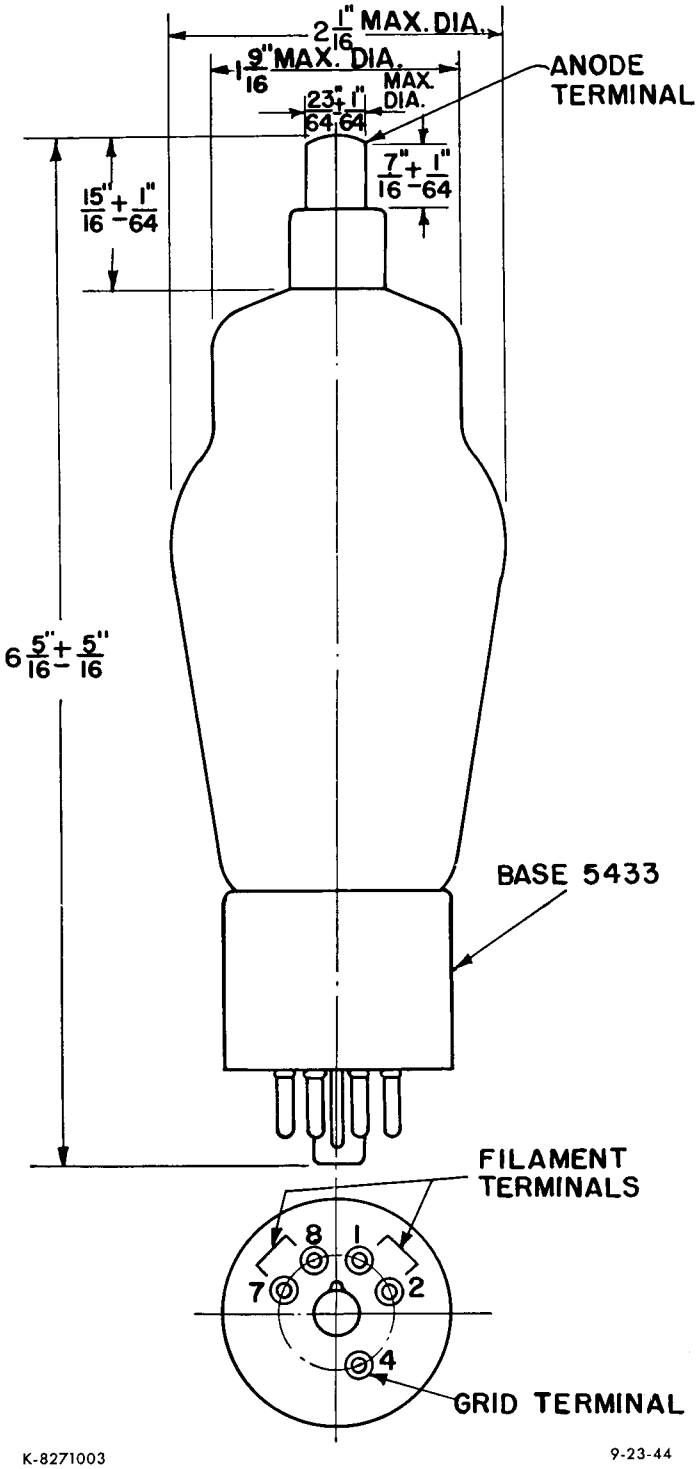
Maximum peak anode voltage		
Inverse	1250	volts
Forward	1250	volts
Maximum negative grid voltage		
Before conduction	500	volts
During conduction	10	volts
Maximum anode current		
Instantaneous, 25 cycles and above	6.0	amperes
Instantaneous, below 25 cycles	3.0	amperes
Average	1.5	amperes
Surge, for design only	55	amperes
Maximum grid current		
Instantaneous	0.050	ampere
Average	0.010	ampere
Maximum time of averaging current	5	seconds
Temperature limits	−40 to +80	centigrade

THYRATRON GL-393-A

TYPICAL CONTROL CHARACTERISTICS

SHADED AREA SHOWS RANGE OF CHARACTERISTIC





OUTLINE
GL-393-A THYRATRON

Electronics Department
GENERAL ELECTRIC
Schenectady, N. Y.

4-45 (4M)
Filing No. 8850