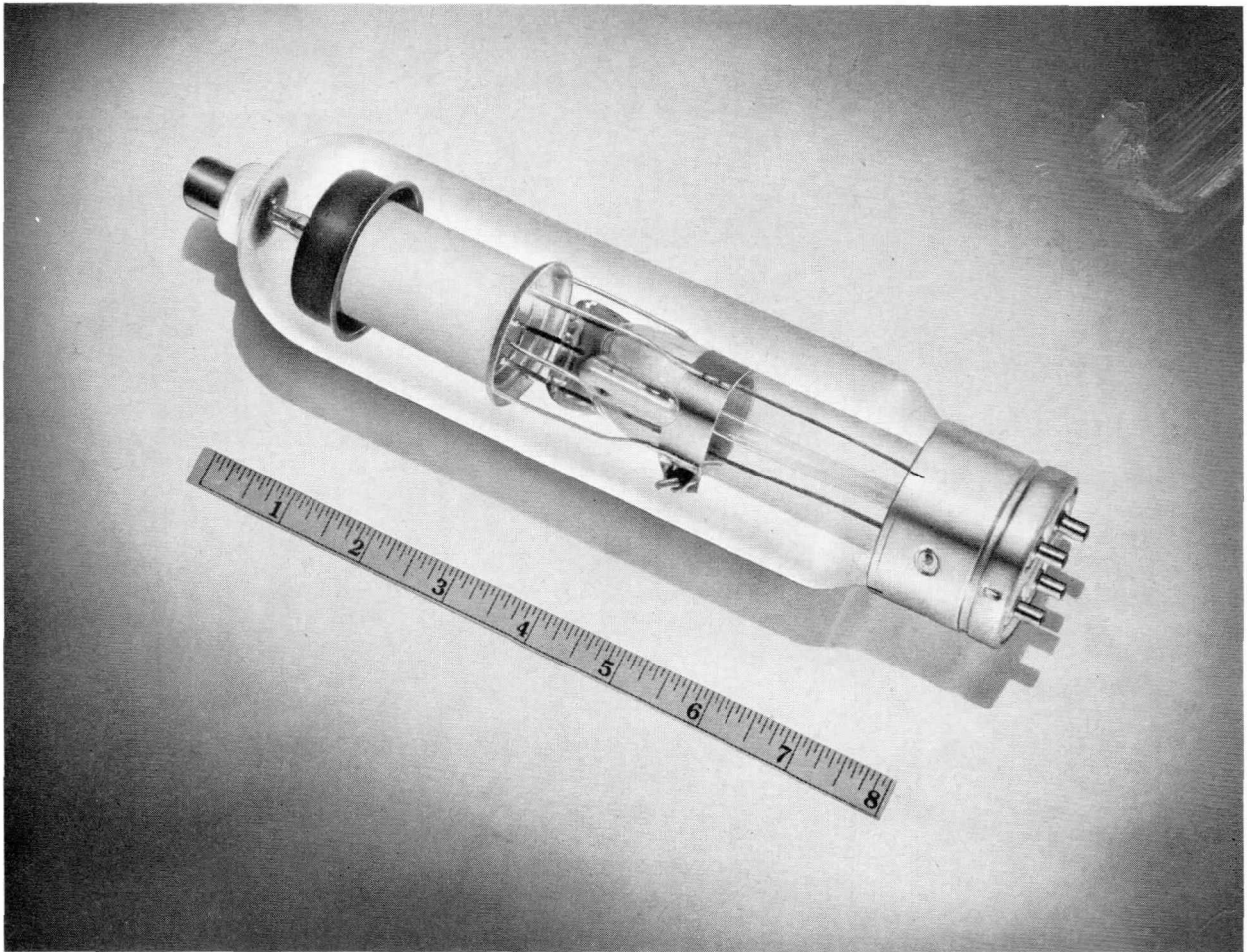




PHANOTRON

HALF-WAVE

MERCURY-VAPOR

The GL-575-A is a half-wave, mercury-vapor rectifier tube designed to withstand high peak inverse voltages, and to conduct at relatively low applied voltages.

TECHNICAL INFORMATION

GENERAL

Electrical

☐ Cathode—Filamentary

	Minimum	Bogey	Maximum	
Filament Voltage.....	4.75	5.0	5.25	Volts
☐ Filament Current at 5.0 Volts.....	9.0	10.0	11.5	Amperes
Heating Time.....	30			Seconds
Anode Voltage Drop, typical.....		10		Volts
⊕Critical Anode Voltage.....			100	Volts

Mechanical

Type of Cooling—Convection

Equilibrium Condensed-Mercury Temperature Rise Above Ambient

At Full Load, approximate.....20 C

At No Load, approximate.....12 C

Mounting Position—Vertical, Base Down

Net Weight, maximum.....13 Ounces

GENERAL  ELECTRIC

TECHNICAL INFORMATION (CONT'D)

MAXIMUM RATINGS, Absolute Values

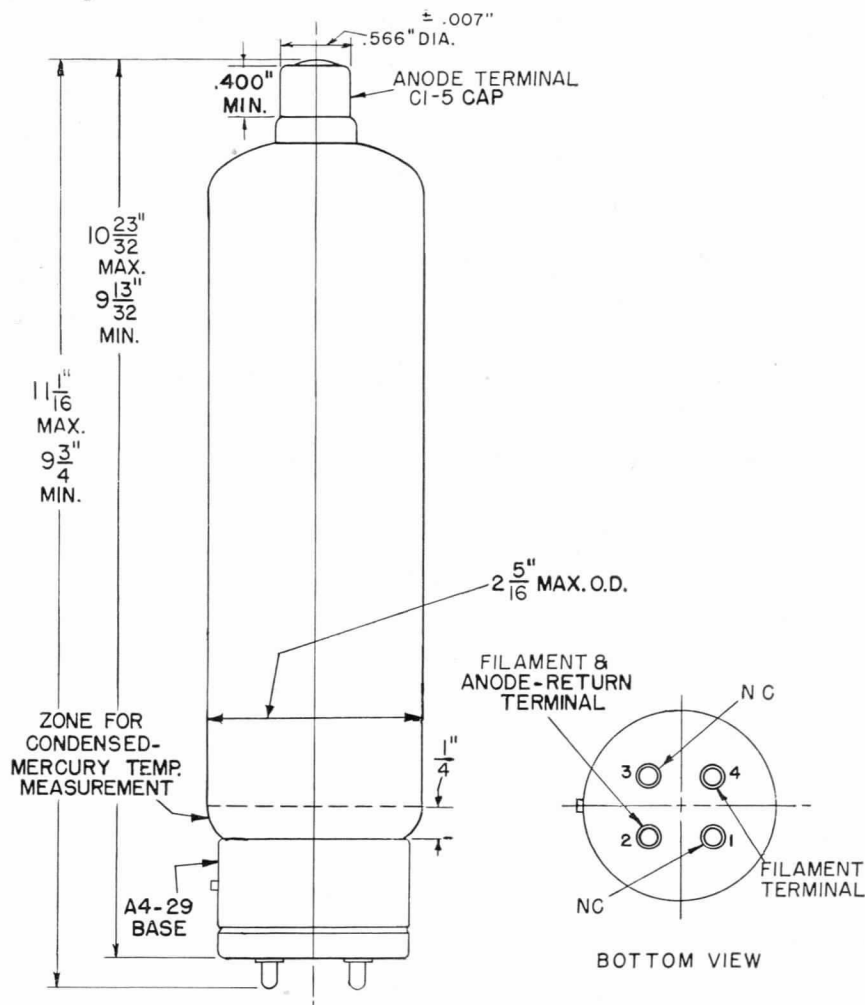
Maximum Peak Inverse Anode Voltage.....	10,000	15,000 Volts
Maximum Cathode Current		
□ Peak		
Quadrature Operation.....	10.0	10.0 Amperes
In Phase Operation.....	7.0	6.0 Amperes
□ Average		
Quadrature Operation.....	2.5	2.5 Amperes
In Phase Operation.....	1.75	1.5 Amperes
⊕ Fault.....	100	100 Amperes
⊕ Maximum Duration.....	0.1	0.1 Seconds
Maximum Averaging Time.....	20	20 Seconds
Frequency.....	150	150 Cycles per Second

Condensed-Mercury Temperature Limits*..... +20 to +60 +20 to +50 C

*Maximum temperature ratings for intermediate peak inverse voltages may be determined by linear interpolation. When this is done lower current rating applies.

□ Denotes an addition.

⊕ Denotes a change.



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ELECTRONIC COMPONENTS DIVISION

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