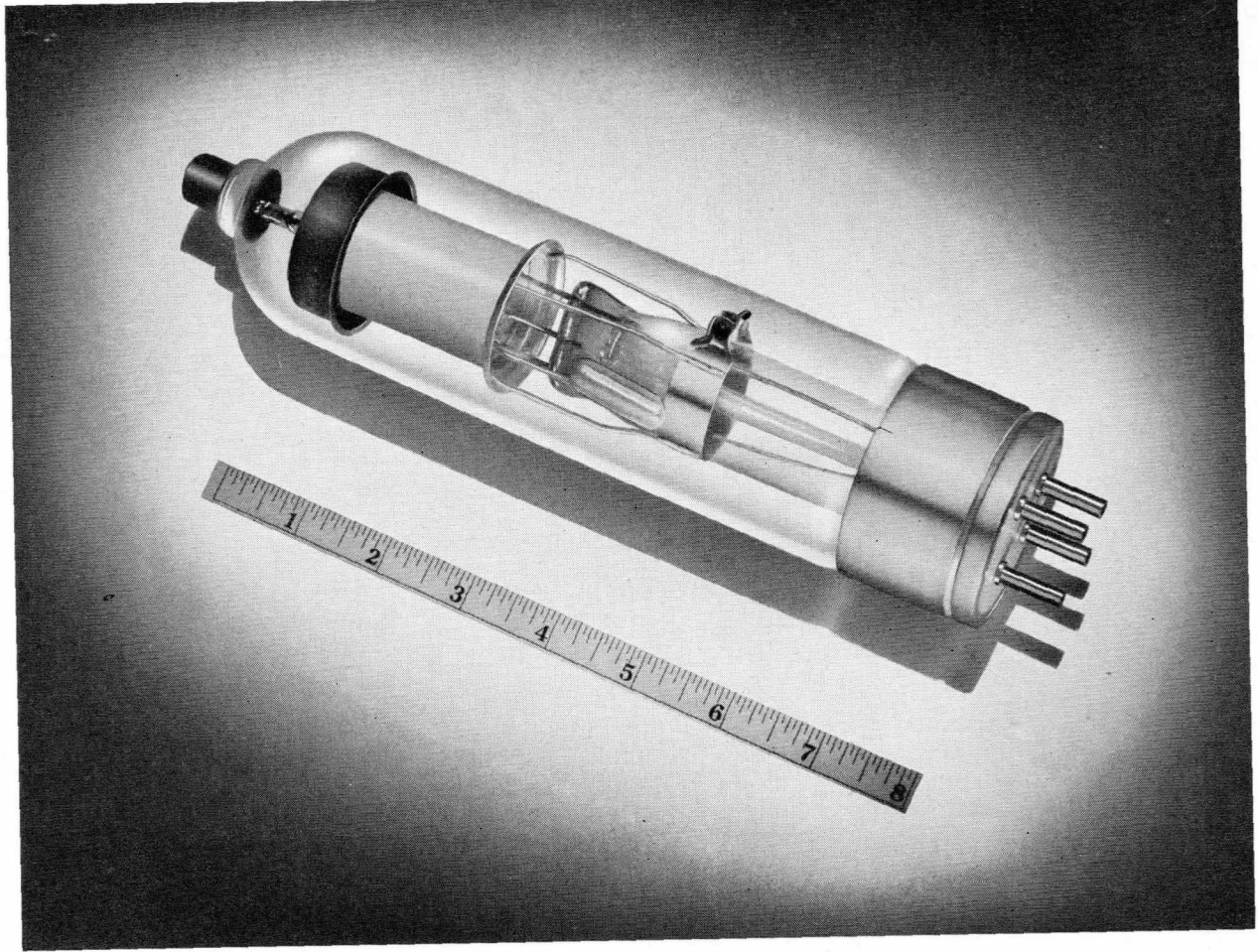




PHANOTRON

HALF-WAVE

MERCURY-VAPOR

The GL-673 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

	Minimum	Bogey	Maximum
Cathode—Filamentary			
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 over Ambient	
At Full Load, approximate.....	20 C
At No Load, approximate.....	12 C
Base—Super-Jumbo 4-Pin Bayonet, A4-18.	
Cap—Medium Metal, C1-5.	
Mounting Position—Vertical, Base Down	
⊕ Net Weight, approximate.....	13 Ounces

GENERAL  ELECTRIC

TECHNICAL INFORMATION (CONT'D)

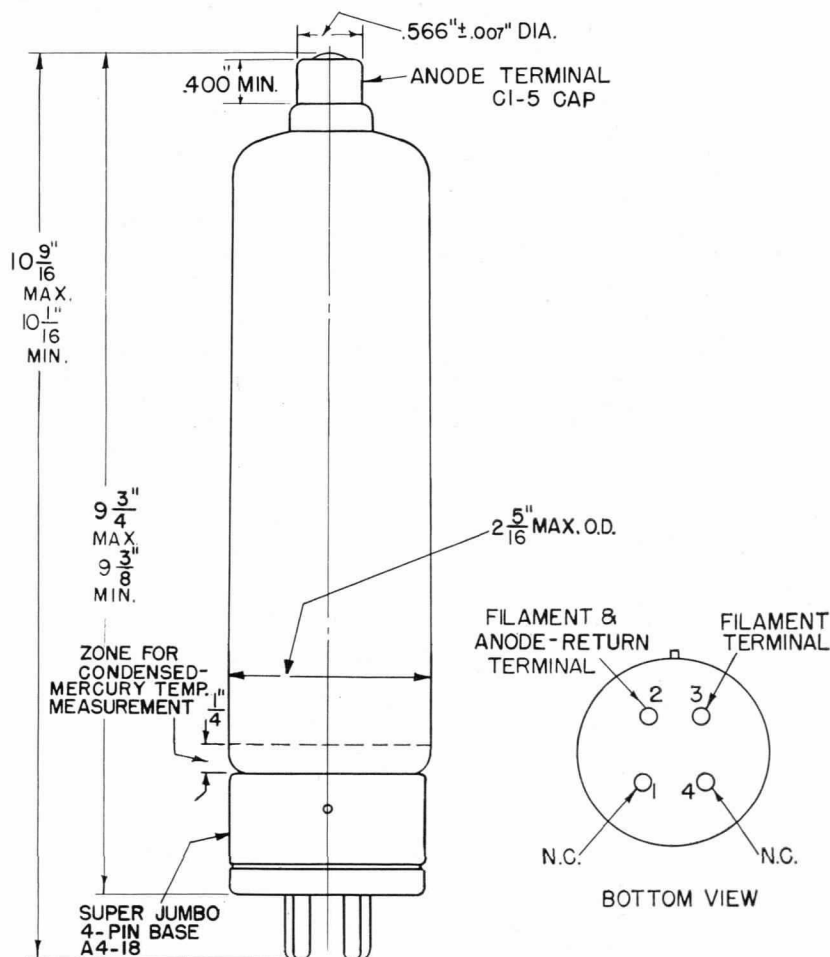
MAXIMUM RATINGS, Absolute Values

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
Condensed-Mercury Temperature Limits*.....	+20 to +60	+20 to +50 C
Maximum Frequency.....	150	150 Cycles per Second

*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.



N-21501AZ—Outline revised

12-30-57

ELECTRONIC COMPONENTS DIVISION

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