

TETRODE

ONE KILOWATT UHF TELEVISION OUTPUT UHF TETRODE GROUNDED-GRID CIRCUITS

FORCED-AIR COOLED METAL AND CERAMIC INTEGRAL RADIATOR

THORIATED-TUNGSTEN CATHODE

The GL-6942 is a four-electrode transmitting tube featuring a metal-and-ceramic envelope designed for use as a power amplifier or oscillator in grounded-grid circuits with both grids maintained at radio-frequency ground potential. The output circuit is connected between the anode and the screen grid. The anode is capable of dissipating one and one-half kilowatts. Cooling is accomplished by forced air with the radiator an integral part of the anode. The cathode is indirectly heated thoriated tungsten. Maximum ratings apply up to 1000 megacycles.

When used as a Class B grounded-grid broadband television amplifier this tube has a useful synchronizing peak-power output of one kilowatt at 900 megacycles; in narrow band Class C service the output is one kilowatt of continuous power as an amplifier or oscillator. Because of its ratings, the tube is also well adapted to use in dielectric-heating equipment.

High operating efficiency is assured because of the small size and close spacing of the tube electrodes, the ring-seal construction, and the low-loss factor due to the silver-plated external parts and the ceramic insulators. In addition, the grounded-grid construction eliminates the necessity for neutralization in a properly designed circuit. The small size of the GL-6942 permits compact mounting, and the ring-seal construction allows quick plug-in installation.



TECHNICAL INFORMATION

GENERAL

Electrical				
	Minimum	Bogey	Maxi	mum
Heater Voltage*		5.7	6.0	Volts
Heater Current at 5.7 Volts	. 22	24	26	Amperes
Heater Starting Current			36	Amperes
Heater Cold Resistance		0.02		Ohms
Cathode Heating Time	. 1			Minutes
Amplification Factor, G ₂ to G ₁				
$Eb = 2000 \text{ Volts}, I_b = 0.200 \text{ Ampere}, E_c 2 = 475 \text{ Volts}$. 12	17	22	
Peak Cathode Current†			3.0	Amperes
Direct Interelectrode Capacitances				
Cathode to Plate‡			0.006	$\mu\mu\mathrm{f}$
Input, G ₂ tied to G ₁	. 15.5	17.0	18.5	$\mu\mu\mathrm{f}$
Output, G2 tied to G1 §	. 5.0	5.5	6.0	μ μ f -
Mechanical				
Mounting Position—Vertical				
Net Weight, approximate		3	3.6	Pounds
Thermal				
Air Flow¶				
Through Radiator—See drawing for air duct form on page 4.				
Plate Dissipation			1.5	Kilowatts
Air Flow		<i></i>	60 M in	Cubic Feet per Minute
Static Pressure			1.5	Inches Water
Heater-to-Cathode Seals			. 8 Min	Cubic Feet per Minute
Screen-Grid to Control-Grid Seals			.4 Min	Cubic Feet per Minute
Anode to Screen-Grid Ceramic Insulator			. 6 Min	Cubic Feet per Minute
Incoming Air Temperature		<i>.</i>	45 M ax	С
Radiator Hub Temperature at Fin Adjacent to Anode Seal				
Ceramic Temperature at Any Point				
Forced-air cooling to be applied before and during the applicat				

Forced-air cooling to be applied before and during the application of any voltages. Forced-air cooling must be main tained for one minute after the removal of all voltages.

MAXIMUM RATINGS AND TYPICAL OPERATING CONDITIONS

RADIO-FREQUENCY AMPLIFIER—CLASS B TELEVISION SERVICE

Synchronizing-Level Conditions per Tube Unless Otherwise Specified Maximum Ratings, Absolute Values

DC Plate Voltage	Volts
DC Grid-No. 2 Voltage	Volts
DC Plate Current	Amperes
Plate Input	
Grid-No. 2 Input	
Plate Dissipation	
Typical Operation—Grounded-Grid Circuit up to 900 Megacycles	
Bandwidth 6 Megacycles, measured to 1 decibel point	
DC Plate Voltage	Volts
DC Grid-No. 2 Voltage500	Volts
DC Grid-No. 1 Voltage40	Volts
Peak RF Plate Voltage	
Synchronizing Level	Volts
Pedestal Level	Volts
Peak RF Driving Voltage	
Synchronizing Level	Volts
Pedestal Level	Volts
DC Plate Current	
Synchronizing Level	Amperes
Pedestal Level0.360	Amperes
DC Grid-No. 2	
Pedestal Level0.035	Amperes
DC Grid-No. 1 Current	
Synchronizing Level	Amperes
Pedestal Level	Amperes

TECHNICAL INFORMATION (CONT'D)

Driving Power at Tube, approximate Synchronizing Level 100 Watts	Tellitian it of the state of th		
Pedestal Level. 25 Watts	Driving Power at Tube, approximate		
Power Output, approximate	Synchronizing Level	100	Watts
Synchronizing Level. 1000 Watts	Pedestal Level	25	Watts
Pedestal Level. .560 Watts	Power Output, approximate ϕ		
PLATE-MODULATED RADIO-FREQUENCY POWER AMPLIFIER—CLASS C TELEPHONY	Synchronizing Level.	. 1000	Watts
PLATE-MODULATED RADIO-FREQUENCY POWER AMPLIFIER—CLASS C TELEPHONY	·		Watts
Maximum Retings, Absolute Values 3200 Max Volts			
Maximum Retings, Absolute Values 3200 Max Volts	PLATE-MODULATED RADIO-FREQUENCY POWER AMPLIFIER—CLASS C TELEPH	IONY	
Maximum Ratings, Absolute Values 3200 Max Volts DC Plate Voltage			
DC Plate Voltage. 3200 Max Volts	Carrier Conditions with a maximum madulation ractor of 1.0		
DC Grid-No. 1 Voltage .600 Max Volts DC Grid-No. 1 Voltage -120 Max Volts DC Plate Current 0.35 Max Amperes DC Grid-No. 1 Current 0.10 Max Amperes Plate Input 1.12 Max Kilowatts Grid-No. 2 Input 1.0 Max Watts Plate Dissipation 1200 Max Watts Typical Operation, Grounded-Grid Circuit up to 900 Megacycles DC Plate Voltage 3000 Volts DC Grid-No. 2 Voltage 500 Volts DC Grid-No. 1 Voltage -100 Volts Peak RF Driving Voltage 137 Volts DC Grid-No. 2 Current 0.01 Amperes DC Grid-No. 2 Current 0.01 Amperes DC Grid-No. 1 Current, approximate 0.04 Amperes Driving Power, approximate 0.04 Awatts Power Outputφ 38 Watts Plate Oltage 4000 Max Volts DC Grid-No. 2 Voltage 600 Max Volts DC Grid-No. 1	Maximum Ratings, Absolute Values		
DC Grid-No. 1 Voltage	DC Plate Voltage	.3200 Max	Volts
DC Plate Current	DC Grid-No. 2 Voltage	600 Max	Volts
DC Grid-No. 1 Current. 0.10 Max Amperes Plate Input. 1.12 Max Kilowatts Grid-No. 2 Input. 1.00 Max Watts Plate Dissipation. 1.200 Max Watts Typical Operation, Grounded-Grid Circuit up to 900 Megacycles DC Plate Voltage. .3000 Volts DC Grid-No. 2 Voltage. .500 Volts DC Grid-No. 1 Voltage. .100 Volts Peak RF Plate Voltage. .137 Volts DC Plate Current. 0.25 Amperes DC Grid-No. 2 Current 0.01 Amperes DC Grid-No. 1 Current, approximate 0.047 Amperes DC Grid-No. 1 Current, approximate 0.047 Amperes Driving Power, approximate 0.047 Amperes Driving Power, approximate 400 Watts RADIO-FREQUENCY POWER AMPLIFIER AND OSCILLATOR—CLASS C TELEGRAPHY Key-Down Conditions per Tube without Amplitude Medulation ▲ Maximum Ratings, Absolute Values 4000 Max Volts DC Plate Voltage. 600 Max Volts DC Grid-No. 1 Voltage. 10.00 Max Amperes DC Grid	DC Grid-No. 1 Voltage	-120 Max	Volts
Plate Input.	DC Plate Current	0.35 Max	Amperes
Grid-No. 2 Input. .10 Max Plate Dissipation .1200 Max Plate Dissipation .15 Max Plate Dissipation	DC Grid-No. 1 Current	0.10 Max	Amperes
Grid-No. 2 Input. .10 Max Plate Dissipation .1200 Max Plate Dissipation .15 Max Plate Dissipation			-
Plate Dissipation			
Typical Operation, Grounded-Grid Circuit up to 900 Megacycles 3000 Volts DC Plate Voltage 500 Volts DC Grid-No. 2 Voltage -100 Volts DC Grid-No. 1 Voltage -100 Volts Peak RF Plate Voltage 2300 Volts Peak RF Plate Voltage 2300 Volts Peak RF Driving Voltage 137 Volts DC Plate Current 0.25 Amperes DC Grid-No. 2 Current 0.01 Amperes DC Grid-No. 1 Current, approximate 0.047 Amperes DC Grid-No. 1 Current, approximate 338 Watts Power Outputφ 338 Watts Power Outputφ 356 Watts Waximum Ratings, Absolute Values DC Plate Voltage 4000 Max Volts DC Grid-No. 2 Voltage 4000 Max Volts DC Grid-No. 1 Current 4000 Max Volts DC Grid-No. 1 Current 4000 Max Volts DC Grid-No. 1 Current 4000 Max Volts Grid-No. 2 Input 4000 Max Volts Grid-No. 2 Input 4000 Max Volts Grid-No. 2 Input 4000 Volts Voltage 40	•		
DC Plate Voltage 3000 Volts DC Grid-No. 2 Voltage 500 Volts DC Grid-No. 1 Voltage −100 Volts Peak RF Plate Voltage 2300 Volts Peak RF Driving Voltage 137 Volts DC Plate Current 0.25 Amperes DC Grid-No. 2 Current 0.01 Amperes DC Grid-No. 1 Current, approximate 0.047 Amperes Driving Power, approximate power outputφ 38 Watts Power Outputφ 565 Watts RADIO-FREQUENCY POWER AMPLIFIER AND OSCILLATOR—CLASS C TELEGRAPHY Key-Down Conditions per Tube without Amplitude Modulation	·	. I woo waa	· · · · · ·
DC Grid-No. 2 Voltage 500 Volts DC Grid-No. 1 Voltage −100 Volts Peak RF Plate Voltage 2300 Volts Peak RF Driving Voltage 137 Volts DC Plate Current 0.25 Amperes DC Grid-No. 2 Current 0.01 Amperes DC Grid-No. 1 Current, approximate 0.047 Amperes Driving Power, approximate Φ 38 Watts Power Outputφ 565 Watts RADIO-FREQUENCY POWER AMPLIFIER AND OSCILLATOR—CLASS C TELEGRAPHY Key-Down Conditions per Tube without Amplitude Modulation ★ Maximum Ratings, Absolute Values DC Plate Voltage 4000 Max Volts DC Grid-No. 2 Voltage 4000 Max Volts DC Grid-No. 1 Voltage −150 Max Volts DC Grid-No. 1 Current 0.10 Max Amperes DC Grid-No. 1 Current 0.10 Max Amperes Plate Input 2.5 Max Kilowatts Typical Operation — Grounded-Grid Circuit at 1000 Megacyles*, ¼ ¼ Output DC Grid-No. 2 Voltage <td>· · · · · · · · · · · · · · · · · · ·</td> <td></td> <td></td>	· · · · · · · · · · · · · · · · · · ·		
DC Grid-No. 1 Voltage. — 100 Volts Peak RF Plate Voltage. 2300 Volts Peak RF Driving Voltage. 137 Volts DC Plate Current. 0.25 Amperes DC Grid-No. 2 Current	DC Plate Voltage	3000	Volts
Peak RF Plate Voltage 2300 Volts Peak RF Driving Voltage 137 Volts DC Plate Current 0.25 Amperes DC Grid-No. 2 Current 0.01 Amperes DC Grid-No. 1 Current, approximate 0.047 Amperes Driving Power, approximate∮ 38 Watts Power Outputφ .565 Watts RADIO-FREQUENCY POWER AMPLIFIER AND OSCILLATOR—CLASS C TELEGRAPHY Key-Down Conditions per Tube without Amplitude Modulation ▲ Maximum Ratings, Absolute Values DC Plate Voltage 4000 Max Volts DC Grid-No. 2 Voltage 600 Max Volts DC Grid-No. 1 Voltage -150 Max Volts DC Grid-No. 1 Current 0.10 Max Amperes Plate Input 2.5 Max Killowatts Typical Operation — Grounded-Grid Circuit at 1000 Megacyles*, ¼ \ Output DC Plate Voltage 4000 Volts DC Grid-No. 2 Voltage 500 Volts DC Grid-No. 1 Voltage -110 Volts DC Grid-No.	DC Grid-No. 2 Voltage	500	Volts
Peak RF Driving Voltage 137 Volts DC Plate Current 0.25 Amperes DC Grid-No. 2 Current 0.01 Amperes DC Grid-No. 1 Current, approximate 0.047 Amperes Driving Power, approximate 38 Watts Power Output φ	DC Grid-No. 1 Voltage	-100	Volts
DC Plate Current. 0.25 Amperes DC Grid-No. 2 Current. 0.01 Amperes DC Grid-No. 1 Current, approximate 0.047 Amperes Driving Power, approximate 3.8 Watts Power Outputφ	Peak RF Plate Voltage	. 2300	Volts
DC Grid-No. 2 Current 0.01 Amperes DC Grid-No. 1 Current, approximate 0.047 Amperes Driving Power, approximate 3.38 Watts Power Output φ .565 Watts RADIO-FREQUENCY POWER AMPLIFIER AND OSCILLATOR—CLASS C TELEGRAPHY Key-Down Conditions per Tube without Amplitude Modulation ▲ Maximum Ratings, Absolute Values DC Plate Voltage .4000 Max Volts DC Grid-No. 2 Voltage .600 Max Volts DC Grid-No. 1 Voltage .150 Max Volts DC Grid-No. 1 Current .0.10 Max Amperes Plate Input .2.5 Max Kilowatts Grid-No. 2 Input .2.5 Max Watts Plate Dissipation .1.5 Max Kilowatts Typical Operation — Grounded-Grid Circuit at 1000 Megacyles*, ¼ λ Output DC Plate Voltage .500 Volts DC Grid-No. 1 Voltage .500 Volts DC Grid-No. 2 Voltage .500 Volts DC Grid-No. 1 Voltage .710 Volts DC Plate Current .0.042 Amperes DC Grid-No. 1 Current .0.055 Amperes DC Grid-No. 1 Current .0.055 Amperes Driving Power, approximate .0.055 Amperes Driving Power, approximate .0.055 Amperes	Peak RF Driving Voltage	137	Volts
DC Grid-No. 1 Current, approximate	DC Plate Current	0.25	Amperes
DC Grid-No. 1 Current, approximate	DC Grid-No. 2 Current	0.01	Amperes
Driving Power, approximate♦38WattsPower Outputφ.565WattsRADIO-FREQUENCY POWER AMPLIFIER AND OSCILLATOR—CLASS C TELEGRAPHYKey-Down Conditions per Tube without Amplitude Modulation ▲Maximum Ratings, Absolute ValuesDC Plate Voltage4000 MaxDC Grid-No. 2 Voltage600 MaxDC Grid-No. 1 Voltage150 MaxDC Grid-No. 1 Current0.10 MaxDC Grid-No. 1 Current2.5 MaxGrid-No. 2 Input2.5 MaxGrid-No. 2 Input25 MaxPlate Dissipation.1.5 MaxTypical Operation — Grounded-Grid Circuit at 1000 Megacyles*, ¼ λ OutputDC Plate Voltage4000DC Grid-No. 2 Voltage500DC Grid-No. 1 Voltage110DC Plate Current0042DC Grid-No. 1 Current, approximate0011DC Grid-No. 1 Current, approximate0055AmperesDriving Power, approximate65			Amperes
Power Outputφ	Driving Power, approximate.	38	-
RADIO-FREQUENCY POWER AMPLIFIER AND OSCILLATOR—CLASS C TELEGRAPHY Key-Down Conditions per Tube without Amplitude Modulation▲ Maximum Ratings, Absolute Values DC Plate Voltage			
Key-Down Conditions per Tube without Amplitude Modulation ▲Maximum Ratings, Absolute Values.4000 MaxVoltsDC Plate Voltage.600 MaxVoltsDC Grid-No. 2 Voltage.150 MaxVoltsDC Plate Current.0.7 MaxAmperesDC Grid-No. 1 Current.0.10 MaxAmperesPlate Input.2.5 MaxKilowattsGrid-No. 2 Input.25 MaxWattsPlate Dissipation.1.5 MaxKilowattsTypical Operation — Grounded-Grid Circuit at 1000 Megacyles*, ¼ λ OutputDC Plate Voltage.4000VoltsDC Grid-No. 2 Voltage.500VoltsDC Grid-No. 1 Voltage.710VoltsDC Plate Current.0.042AmperesDC Grid-No. 2 Current.0.011AmperesDC Grid-No. 1 Current, approximate.0.055AmperesDriving Power, approximate.0.055AmperesDriving Power, approximate.65Watts	•		
Key-Down Conditions per Tube without Amplitude Modulation ▲Maximum Ratings, Absolute Values.4000 MaxVoltsDC Plate Voltage.600 MaxVoltsDC Grid-No. 2 Voltage.150 MaxVoltsDC Plate Current.0.7 MaxAmperesDC Grid-No. 1 Current.0.10 MaxAmperesPlate Input.2.5 MaxKilowattsGrid-No. 2 Input.25 MaxWattsPlate Dissipation.1.5 MaxKilowattsTypical Operation — Grounded-Grid Circuit at 1000 Megacyles*, ¼ λ OutputDC Plate Voltage.4000VoltsDC Grid-No. 2 Voltage.500VoltsDC Grid-No. 1 Voltage.710VoltsDC Plate Current.0.042AmperesDC Grid-No. 2 Current.0.011AmperesDC Grid-No. 1 Current, approximate.0.055AmperesDriving Power, approximate.0.055AmperesDriving Power, approximate.65Watts	RADIO-FREQUENCY POWER AMPLIFIER AND OSCILLATOR—CLASS C TELECO	RAPHY	
Maximum Ratings, Absolute Values			
DC Plate Voltage	· · · · · · · · · · · · · · · · · · ·		
DC Grid-No. 2 Voltage	- ·		
DC Grid-No. 1 Voltage	_		
DC Plate Current. 0.7 Max Amperes DC Grid-No. 1 Current. 0.10 Max Amperes Plate Input. 2.5 Max Kilowatts Grid-No. 2 Input. 25 Max Watts Plate Dissipation. 1.5 Max Kilowatts Typical Operation — Grounded-Grid Circuit at 1000 Megacyles*, ¼ \(\) Output DC Plate Voltage. 4000 Volts DC Grid-No. 2 Voltage. 500 Volts DC Grid-No. 1 Voltage. -110 Volts DC Plate Current. 0.042 Amperes DC Grid-No. 2 Current. 0.011 Amperes DC Grid-No. 1 Current, approximate. 0.055 Amperes Driving Power, approximate. 65 Watts	-		
DC Grid-No. 1 Current 0.10 Max Amperes	DC Grid-No. 1 Voltage	. —150 M ax	Volts
Plate Input. 2.5 Max Kilowatts Grid-No. 2 Input. .25 Max Watts Plate Dissipation 1.5 Max Kilowatts Typical Operation — Grounded-Grid Circuit at 1000 Megacyles*, ¼ λ Output DC Plate Voltage 4000 Volts DC Grid-No. 2 Voltage 500 Volts DC Grid-No. 1 Voltage -110 Volts DC Plate Current 0.042 Amperes DC Grid-No. 2 Current 0.011 Amperes DC Grid-No. 1 Current, approximate 0.055 Amperes Driving Power, approximate 65 Watts			Amperes
Grid-No. 2 Input. .25 Max Watts Plate Dissipation 1.5 Max Kilowatts Typical Operation — Grounded-Grid Circuit at 1000 Megacyles*, ¼ λ Output DC Plate Voltage. 4000 Volts DC Grid-No. 2 Voltage. 500 Volts DC Grid-No. 1 Voltage. -110 Volts DC Plate Current. 0.042 Amperes DC Grid-No. 2 Current. 0.011 Amperes DC Grid-No. 1 Current, approximate. 0.055 Amperes Driving Power, approximate. 65 Watts	DC Grid-No. 1 Current	0.10 Max	Amperes
Plate Dissipation 1.5 Max Kilowatts Typical Operation — Grounded-Grid Circuit at 1000 Megacyles*, ¼ λ Output DC Plate Voltage 4000 Volts DC Grid-No. 2 Voltage 500 Volts DC Grid-No. 1 Voltage -110 Volts DC Plate Current 0.042 Amperes DC Grid-No. 2 Current 0.011 Amperes DC Grid-No. 1 Current, approximate 0.055 Amperes Driving Power, approximate 65 Watts	Plate Input	2.5 Max	Kilowatts
Typical Operation — Grounded-Grid Circuit at 1000 Megacyles*, ¼ λ Output DC Plate Voltage 4000 Volts DC Grid-No. 2 Voltage 500 Volts DC Grid-No. 1 Voltage -110 Volts DC Plate Current 0.042 Amperes DC Grid-No. 2 Current 0.011 Amperes DC Grid-No. 1 Current, approximate 0.055 Amperes Driving Power, approximate 65 Watts	Grid-No. 2 Input	25 Max	Watts
Typical Operation — Grounded-Grid Circuit at 1000 Megacyles*, ¼ λ Output DC Plate Voltage 4000 Volts DC Grid-No. 2 Voltage 500 Volts DC Grid-No. 1 Voltage -110 Volts DC Plate Current 0.042 Amperes DC Grid-No. 2 Current 0.011 Amperes DC Grid-No. 1 Current, approximate 0.055 Amperes Driving Power, approximate 65 Watts	Plate Dissipation	1.5 Max	Kilowatts
DC Plate Voltage 4000 Volts DC Grid-No. 2 Voltage 500 Volts DC Grid-No. 1 Voltage -110 Volts DC Plate Current 0.042 Amperes DC Grid-No. 2 Current 0.011 Amperes DC Grid-No. 1 Current, approximate 0.055 Amperes Driving Power, approximate 65 Watts			
DC Grid-No. 2 Voltage. 500 Volts DC Grid-No. 1 Voltage. -110 Volts DC Plate Current. 0.042 Amperes DC Grid-No. 2 Current. 0.011 Amperes DC Grid-No. 1 Current, approximate. 0.055 Amperes Driving Power, approximate. 65 Watts	• • • • • • • • • • • • • • • • • • • •	4	
DC Grid-No. 1 Voltage -110 Volts DC Plate Current 0.042 Amperes DC Grid-No. 2 Current 0.011 Amperes DC Grid-No. 1 Current, approximate 0.055 Amperes Driving Power, approximate 65 Watts			
DC Plate Current. 0.042 Amperes DC Grid-No. 2 Current. 0.011 Amperes DC Grid-No. 1 Current, approximate. 0.055 Amperes Driving Power, approximate. 65 Watts			
DC Grid-No. 2 Current			
DC Grid-No. 1 Current, approximate			-
Driving Power, approximate			Amperes
			Amperes
Power Output, useful \(\phi \)			Watts
	Power Output, useful \(\phi \)	1000	Watts

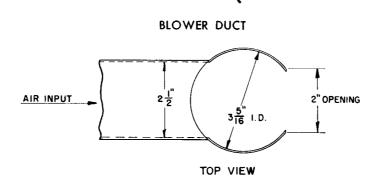
^{*} The cathode of the GL-6942 because of transit-time effects which raise the temperature of the cathode, is subjected to considerable back bombardment in ultra-high-frequency service. The amount of heating due to bombardment is a function of the operating conditions and frequency, and must be compensated for by a reduction of the heater input to prevent overheating of the cathode with resulting short life. For long life, the GL-6942 should be put in operation with rated heater voltage. After the circuit has been adjusted for proper tube operation the heater voltage should be reduced to a value slightly above that at which circuit performance is affected. At a frequency of 900 megacycles and with typical operating conditions the heater voltage can be reduced to approximately 5.3 volts. At lower frequencies, the reduction will be less. Minor circuit readjustment may be necessary after this adjustment.

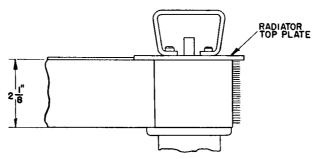
TECHNICAL INFORMATION (CONT'D)

- † Represents maximum useable cathode current (plate current plus current to each grid) for any condition of operation.
- Measured with complete external shielding between cathode and anode.

 Output capacitance measured between anode and screen grid. Control grid connected directly to screen grid.
- Output capacitance measured between anode and screen grid. Control grid connected unecuty to screen grid.

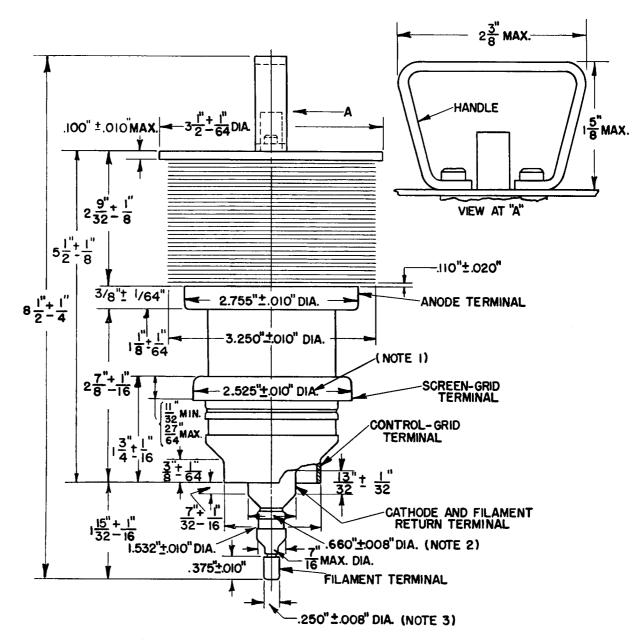
 The volume of cooling air indicated for the various seals is for sea-level conditions and approximate only. Distribution of cooling air indicated for the various seals is for sea-level conditions and approximate only. Distribution of of any point on the tube should be below 200 C.
- φ Useful power output including power transferred from driver stage.
- The carrier of the driver modulated 100 percent.
- ▲ Modulation essentially negative may be used if the positive peak of the envelope does not exceed 115 percent of the carrier





SIDE VIEW (WITH TUBE IN PLACE)

K-69087-72A592



TOTAL INDICATOR RATINGS

NOTE 1. 0.020"

NOTE 2. 0.030"

NOTE 3. 0.060"

THE ABOVE READINGS ARE MEASURED WITH RESPECT TO A CENTERLINE DETERMINED BY THE CENTERS OF THE ANODE TERMINAL AND CONTROL-GRID TERMINAL.

K-69087·72A475

TUBE DEPARTMENT GENERAL ELECTRIC

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Owensboro, Kentucky