



868

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GAS PHOTOTUBE

Cathode	Semi-cylindrical	
Photosurface		S1
Window Area		1.0 sq. in. ←
Direct Interelectrode Capacitance		3.0 μ f ←
Maximum Overall Length		4-1/8" ←
Maximum Seated Height		3-1/2" ←
Maximum Diameter		1-3/16" ←
Bulb (lime glass)		T-8
Base		Tapered Small 4-Pin
Pin 1 - No Connection		Pin 3 - No Connection
Pin 2 - Anode (+)		Pin 4 - Cathode (-)
Mounting Position		Any



BOTTOM VIEW

*Maximum Ratings Are Absolute Values***MAXIMUM RATINGS and CHARACTERISTICS**

Anode-Supply Voltage (D.C. or Peak A.C.)	90 max.	volts
Anode Current [•]	20 max.	μ amp.
Ambient Temperature	100 max.	$^{\circ}$ C ←
Luminous Sensitivity: [*]		
At 0 cycles	90	μ amp./lumen ←
At 5000 cycles	77	μ amp./lumen ←
At 10000 cycles	67	μ amp./lumen ←
Sensitivity at 7500 Angstroms	0.0105	μ amp./ μ watt ←
Gas Amplification Factor	Not over 8	←
D-C Resistance of Load:		←

With anode-supply voltage of 75 volts or less

For d-c currents	{ above 3.5 μ amp.	0.1 min. megohm
	{ below 3.5 μ amp.	No Minimum

With anode-supply voltage of 90 volts

For d-c currents	{ above 2 μ amp.	2.5 min. megohms
	{ below 2 μ amp.	0.1 min. megohm

[•] On basis of the use of a sensitive cathode area 1/2" in diameter.^{*} Subject to variations as explained on sheet PHOTOTUBE SENSITIVITY MEASUREMENTS in the front of this section.

Spectral Sensitivity Characteristic of S1 Photosurface
in lime-glass bulb is shown at beginning
of this section.

← Indicates a change.

Mar. 20, 1943

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DATA

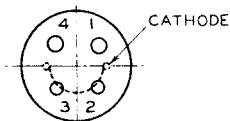
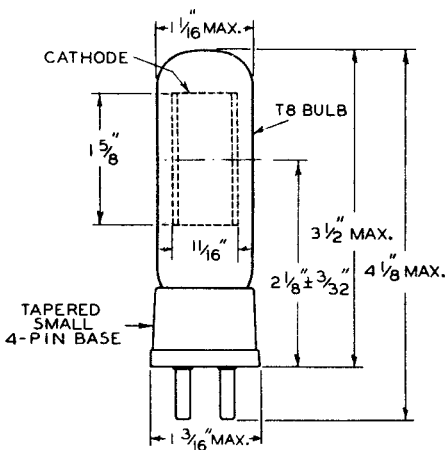
RADIO CORPORATION OF AMERICA, HARRISON, NEW JERSEY

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BOTTOM VIEW

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