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GAS PHOTOTUBE

NON-DIRECTIONAL TYPE

Cathode	Cylindrical Mesh	
Photosurface		S1
Window Area		0.7 sq. in.
Direct Interelectrode Capacitance		3.0 μ f
Maximum Overall Length		3-9/16"
Maximum Seated Height		2-15/16"
Maximum Diameter		1-3/16"
Bulb (lime glass)		T-9
Base		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*	15 max.	μ amp.
Ambient Temperature	100 max.	$^{\circ}$ C
Luminous Sensitivity:*		
At 0 cycles	65	μ amp./lumen
At 5000 cycles	Less than 65	μ amp./lumen
At 10000 cycles	Less than 65	μ amp./lumen
Sensitivity at 7500 Angstroms	0.0075	μ amp./ μ watt
Gas Amplification Factor	Not over 10	
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
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With anode-supply voltage of 90 volts

For d-c currents	{ above 2 μ amp 4 min. megohms { below 2 μ amp 1 min. megohm
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- On the 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

RCA VICTOR DIVISION
RADIO CORPORATION OF AMERICA, HARRISON, NEW JERSEY

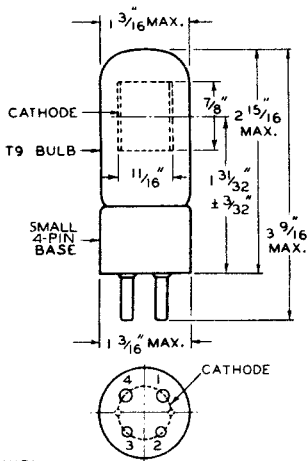
DATA

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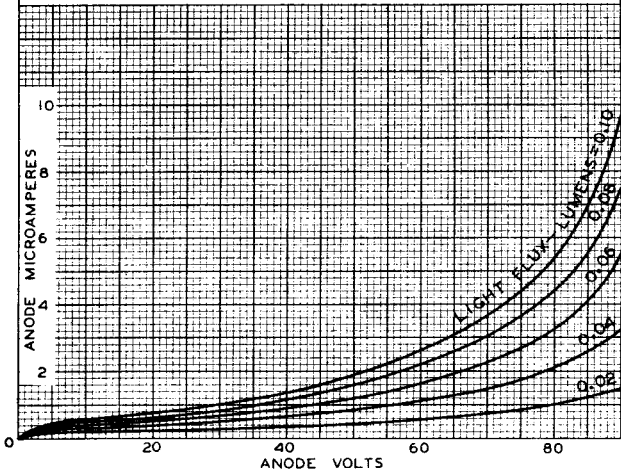
GAS PHOTOTUBE



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BOTTOM VIEW

AVERAGE ANODE CHARACTERISTICS



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CE-6117