



IP29

IP29

GAS PHOTOTUBE

VIOLET — GREEN SENSITIVE

Phototube Spectral Response	S3
Cathode:	
Shape	Semi-cylindrical
Width	11/16"
Length	1-5/8"
Minimum Projected Area	0.9 sq.in.
Center Length (from bottom edge of base)	2-1/8" $\pm$ 3/32"
Direct Interelectrode Capacitance	3 μ f
Maximum Overall Length	4-1/8"
Maximum Seated Height	3-1/2"
Maximum Diameter	1-3/16"
Bulb	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 (2K)

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

Anode-Supply Voltage (D.C. or Peak A.C.)	100 max. volts
Cathode Current Density	100 max. μ amp./sq.in.
Average Cathode Current	20 max. μ amp.
Dark Current	0.1 max. μ amp.
Ambient Temperature	100 max. $^{\circ}$ C

Characteristics:

Wavelength of Max. Response	4200	angstroms
Sensitivity at Max. Response	0.010	μ amp./ μ watt
Luminous Sensitivity:*		
At 0 cycles	40	μ amp./lumen
At 5000 cycles	35	μ amp./lumen
At 10000 cycles	31	μ amp./lumen

Gas Amplification Factor Not over 9

Minimum 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	megohm
	below 3.5 μ amp.	No Minimum	

With anode-supply voltage of 100 volts

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

* Subject to variations as explained on sheet PHOTOTUBE SENSITIVITY MEASUREMENTS in front of this section.

OUTLINE DIMENSIONS

for the IP29 are the same as those for the 868.

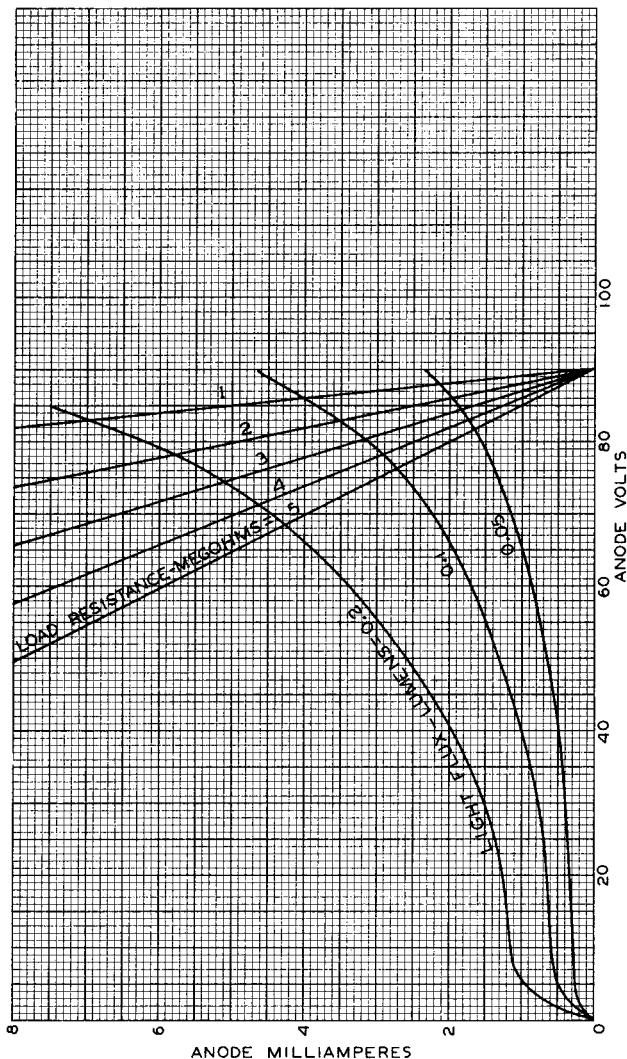
Spectral Sensitivity Characteristic of Phototube having S3 Response is shown at the beginning of this section.

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AVERAGE ANODE CHARACTERISTICS



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RCA VICTOR DIVISION
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