



IP37

IP37 GAS PHOTOTUBE

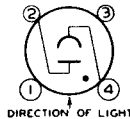
BLUE SENSITIVE

DATA

General:

Spectral Response.	S-4
Wavelength of Maximum Response	4200 Angstroms
Cathode:	
Shape.	Semi-Cylindrical
Minimum Projected Width*	5/8"
Minimum Projected Length*	1-1/4"
Center Length (from bottom edge of base)	2-1/8" ± 3/32"
Direct Interelectrode Capacitance.	3 μmf
Mounting Position.	Any
Maximum Overall Length	4-1/8"
Maximum Seated Length	3-1/2"
Maximum Diameter	1-1/8"
Bulb	T-8
Base	Dwarf Shell Small 4-Pin
Basing Designation for BOTTOM VIEW	2K

Pin 1 - No Connection
Pin 2 - Anode (+)



Pin 3 - No Connection
Pin 4 - Cathode (-)

Maximum Ratings, Absolute Values:

ANODE-SUPPLY VOLTAGE (DC or Peak AC).	100 max.	volts
CATHODE CURRENT DENSITY.	15 max.	μamp./sq.in.
AVERAGE CATHODE CURRENT.	5 max.	μamp
AMBIENT TEMPERATURE.	75 max.	°C

Characteristics:

Maximum Dark Current at 90 volts	0.1	μamp
Sensitivity:		
At 4200 Angstroms.	0.099	μamp./μwatt
Luminous:		
At 0 Cycles.	120	μamp./lumen
At 5000 Cycles	110	μamp./lumen
At 10000 Cycles.	95	μamp./lumen
Max. Gas Amplification Factor.	5.5	

Minimum Circuit Values:

Minimum DC Load Resistance:

With anode-supply voltage of 75 volts or less:

For dc currents {	above 3 μamp.	0.1	megohm
	below 3 μamp.	No Minimum	

With anode-supply voltage of 90 volts:

For dc currents {	above 3 μamp.	2.5	megohm
	below 3 μamp.	0.1	megohm

* On plane perpendicular to indicated direction of incident light.

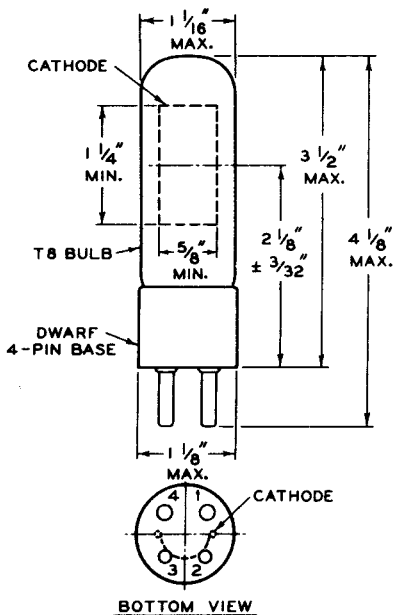
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Spectral Sensitivity Characteristic of Phototube having S-4 Response is shown at beginning of this section.



92CM-470R4

APRIL 1, 1946

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

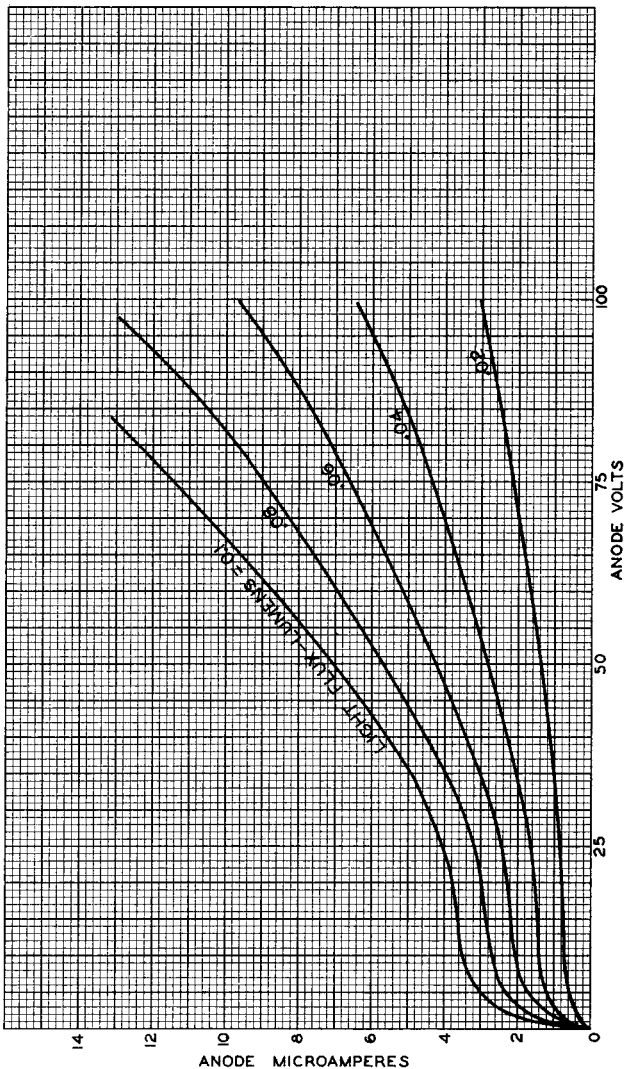
TENTATIVE DATA



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AVERAGE ANODE CHARACTERISTICS



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FREQUENCY-RESPONSE CHARACTERISTICS

