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IP42

VACUUM PHOTOTUBE

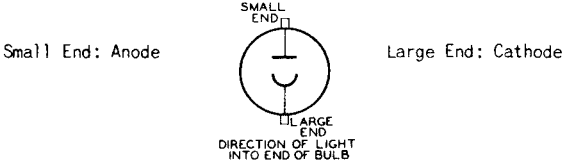
END TYPE WITH S-9 RESPONSE

DATA

General:

Spectral Response	S-9	←
Wavelength of Maximum Response	4800 ± 500 angstroms	←
Cathode:		
Shape	Circular	
Window Area	0.030 sq.in.	
Minimum Diameter	0.19"	
Direct Interelectrode Capacitance	1.9 μmf	←
Overall Length	1-11/32" ± 1/16"	
Maximum Diameter	1/4"	
Bulb	T-2	
Mounting Position	Any	

TERMINAL CONNECTIONS



Maximum Ratings, Absolute Values:

ANODE-SUPPLY VOLTAGE (DC or Peak AC)	180 max.	volts
PEAK CATHODE CURRENT	1.5 max.	μamp
PEAK CATHODE-CURRENT DENSITY	100 max.	μamp/sq.in.
AVERAGE CATHODE CURRENT ^o	0.4 max.	μamp
AMBIENT TEMPERATURE	75 max.	°C

Characteristics:

	<u>Min.</u>	<u>Average</u>	<u>Max.</u>	
Dark Current at 180 Volts	-	-	0.005	μamp
Sensitivity:				
At 4800 Angstroms	-	0.020	-	μamp/μwatt ←
Luminous [▲]	20	30	50	μamp/lumen ←

^o Averaged over any interval of 30 seconds maximum.

[▲] Measured under conditions specified on sheet "PHOTOTUBE SENSITIVITY and SENSITIVITY MEASUREMENTS", at the front of this Section, except that the anode supply is 180 volts and the light flux is 0.015 lumen.

SPECTRAL-SENSITIVITY CHARACTERISTIC
of Phototube having S-9 Response
is shown at the front of this Section

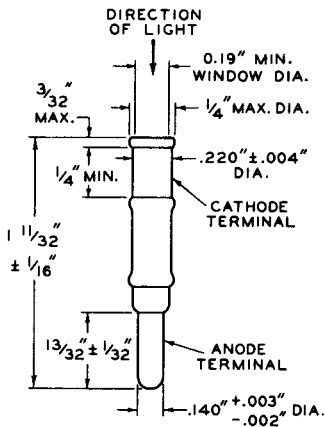
← Indicates a change.

IP42



IP42

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NOTE: WHEN TUBE IS ROTATED ABOUT THE LONGITUDINAL AXIS OF ITS CATHODE TERMINAL, NO PART OF THE ANODE TERMINAL WILL FALL OUTSIDE OF A 0.241"-DIAMETER CIRCLE CONCENTRIC WITH THE LONGITUDINAL AXIS OF THE CATHODE TERMINAL.

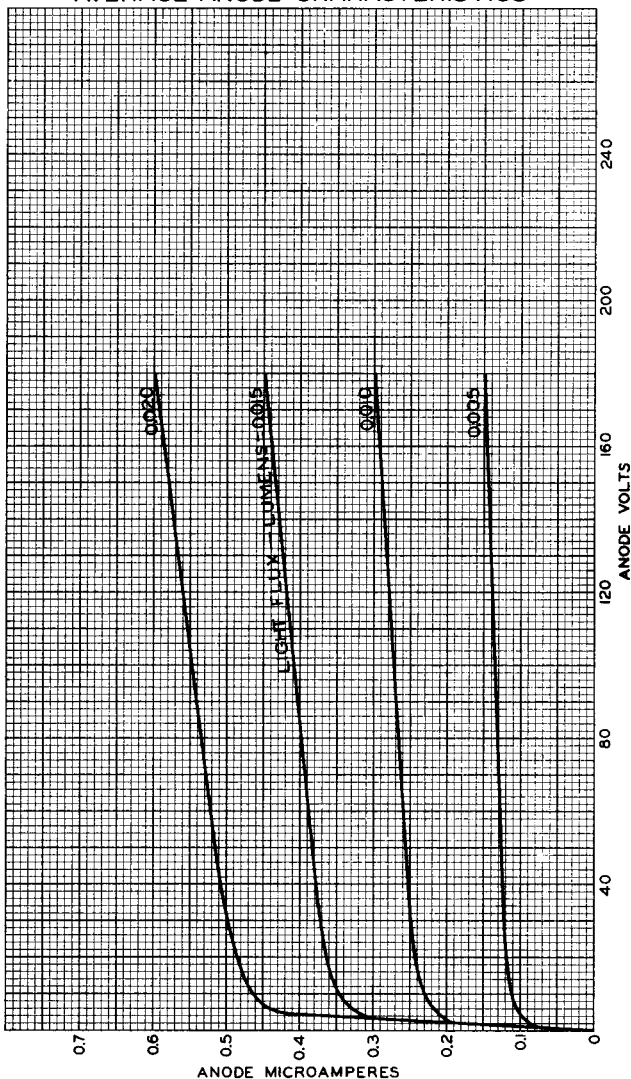
92CS-6791R2



IP42

IP42

AVERAGE ANODE CHARACTERISTICS



APRIL 7, 1950

ANODE MICROAMPERES

92CM-6783R2

TUBE DEPARTMENT

RADIO CORPORATION OF AMERICA, HARRISON, NEW JERSEY