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HIGH-VACUUM PHOTOTUBE

BLUE SENSITIVE

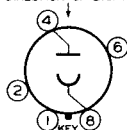
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General:

Spectral Response	S-4
Wavelength of Maximum Response	4200 Angstroms
Cathode:	
Shape	Semi-Cylindrical
Minimum Projected Length*	13/16"
Minimum Projected Width*	5/8"
Center Length (from bottom edge of base)	1-31/32" $\pm$ 3/32"
Direct Interelectrode Capacitance	2.6 μ f
Mounting Position	Any
Maximum Overall Length	3-1/16"
Maximum Seated Length	2-1/2"
Maximum Diameter	1-5/16"
Bulb	T-9
Base	Intermediate Shell Octal 5-Pin

BOTTOM VIEW

DIRECTION OF LIGHT



Pin 1—No Connection
Pin 2—No Connection
Pin 4—Anode

Pin 6—No Connection
Pin 8—Cathode

Maximum Ratings, Absolute Values:

ANODE-SUPPLY VOLTAGE (DC or Peak AC)	250 max.	volts
CATHODE CURRENT DENSITY	100 max. μ amp./sq.in.	
AVERAGE CATHODE CURRENT ^o	20 max.	μ amp.
AMBIENT TEMPERATURE	75 max.	$^{\circ}$ C

Characteristics:

Max. Dark Current at 250 volts	0.0125	μ amp.
Sensitivity:		
At 4200 Angstroms	0.037	μ amp./ μ watt
Luminous	45	μ amp./lumen

Minimum Circuit Value:

DC Load Resistance for 250-volt anode-supply voltage	1	megohm
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* On plane perpendicular to indicated direction of incident light.

^o On the basis of the use of a sensitive cathode area 1/2" in diameter.

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

← Indicates a change.

AUG. 15, 1946

TUBE DEPARTMENT

RADIO CORPORATION OF AMERICA, HARRISON, NEW JERSEY

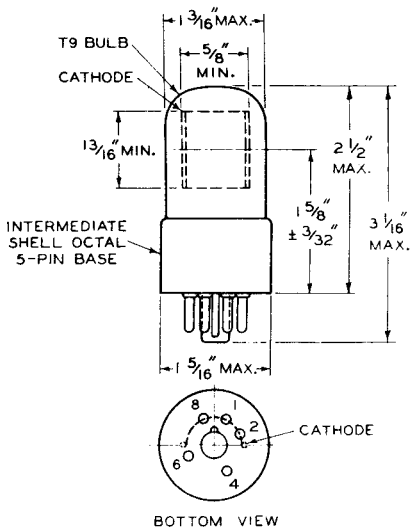
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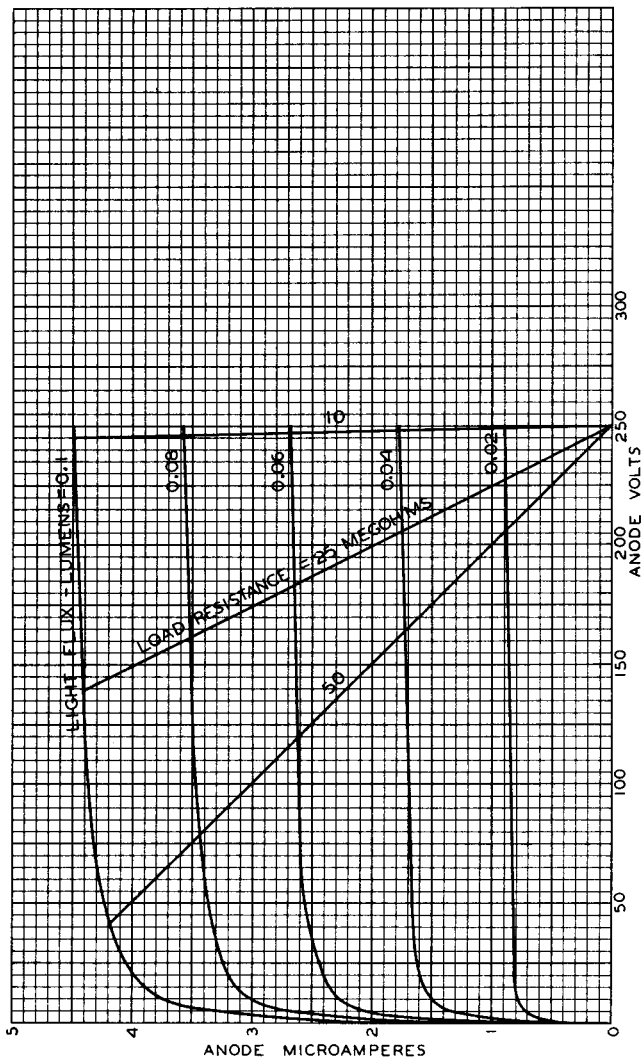


92CM-6137R2



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AVERAGE ANODE CHARACTERISTICS



APRIL 11, 1940

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

92C-6151