

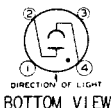


918

918

**GAS PHOTOTUBE**

Cathode	Semi-cylindrical	
Photosurface		S2
Window Area		1 sq. in.
Direct Interelectrode Capacitance		3.0 $\mu\text{f}$
Maximum Overall Length		4-1/8"
Maximum Seated Height		3-1/2"
Maximum Diameter		1-3/16"
Bulb (lime glass)		T-8
Base		Tapered Small 4-Pin
Pin 1-No Connection		Pin 3-No Connection
Pin 2-Anode (+)		Pin 4-Cathode (-)
Mounting Position		Any

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

Anode-Supply Voltage (D.C. or Peak A.C.)	90 max. volts
Anode Current*	20 max. $\mu\text{amp.}$
Ambient Temperature	100 max. $^{\circ}\text{C}$
Luminous Sensitivity:*	
At 0 cycles	150 $\mu\text{amp./lumen}$
At 5000 cycles	120 $\mu\text{amp./lumen}$
At 10000 cycles	105 $\mu\text{amp./lumen}$
Sensitivity at 8000 Angstroms	0.0145 $\mu\text{amp./}\mu\text{watt}$
Gas Amplification Factor	Not over 10.5
D-C Resistance of Load:	

*With anode-supply voltage of 75 volts or less*

For d-c currents	{	above 3.5 $\mu\text{amp.}$	0.1 min. megohm
		below 3.5 $\mu\text{amp.}$	No Minimum

*With anode-supply voltage of 90 volts*

For d-c currents	{	above 2.0 $\mu\text{amp.}$	4.0 min. megohms
		below 2.0 $\mu\text{amp.}$	1.0 min. megohm

- \* 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.

**OUTLINE DIMENSIONS**

for the 918 are the same as those for the 868.

Spectral Sensitivity Characteristic of S2 Photosurface in lime-glass bulb is shown at beginning of this section.

← Indicates a change.

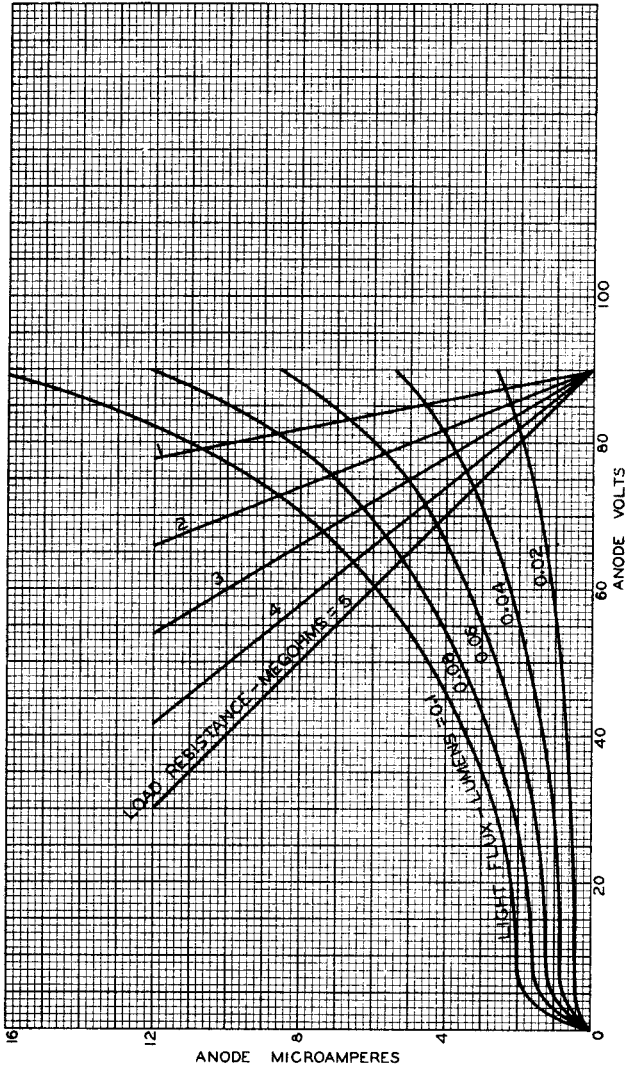
Mar. 20, 1943

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

DATA



AVERAGE ANODE CHARACTERISTICS

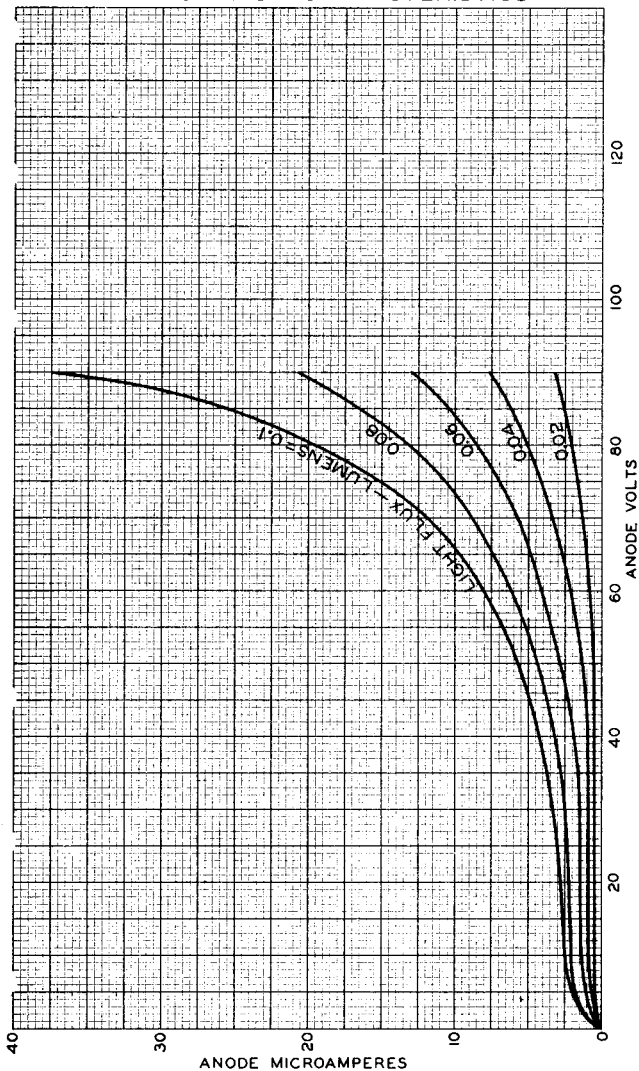




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### AVERAGE ANODE CHARACTERISTICS



APRIL 7, 1950

TUBE DEPARTMENT  
RADIO CORPORATION OF AMERICA, HARRISON, NEW JERSEY

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