



919

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HIGH-VACUUM PHOTOTUBE

WITH CATHODE TERMINAL CAP

Cathode	Semi-cylindrical	
Photosurface		S2
Window Area		1.0 sq. in.
Direct Interelectrode Capacitances		2.0 μ f
Overall Length		4-3/16" to 4-7/16"
Seated Height		3-9/16" to 3-13/16"
Maximum Diameter		1-3/16"
Bulb (lime glass)		T-8
Cap		Small Metal
Base		Tapered Small 4-Pin
Pin 1-No Connection		Pin 4-No Connection
Pin 2-Anode (+)		Cap -Cathode (-)
Pin 3-No Connection		
Mounting Position		Any



BOTTOM VIEW

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

Anode-Supply Voltage (D.C. or Peak A.C.)	500 max. volts
Anode Current*	30 max. μ amp.
Ambient Temperature	100 max. $^{\circ}$ C
Luminous Sensitivity*	20 μ amp./lumen
Sensitivity at 8000 Angstroms	0.0020 μ amp./ μ watt
D-C Resistance of Load:	
With anode-supply voltage of 250 volts	1 min. megohm
With anode-supply voltage of 500 volts	10 min. megohms

- 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.

CURVES

for the 919 are the same as those for the 917.

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

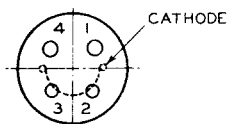
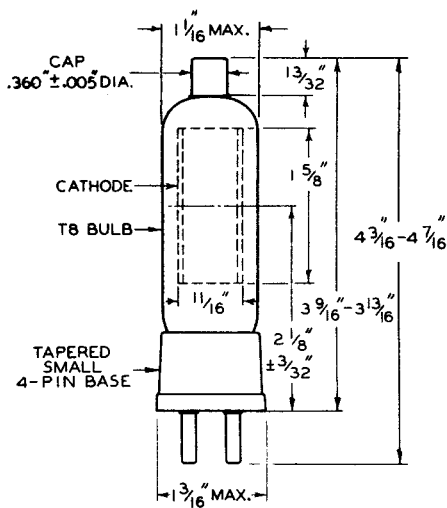
DATA

919



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HIGH-VACUUM PHOTOTUBE



92C-4359R3

BOTTOM VIEW

← Indicates a change.

Mar. 20, 1943

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

CE-4359R3



919

VACUUM PHOTOTUBE

LOW-LEAKAGE TYPE WITH CATHODE-TERMINAL CAP AND S-I RESPONSE

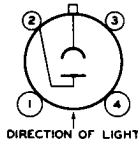
For light-measuring and relay applications

The 919 is the same as the 917 except for the following item:

General:

Base Dwarf-Shell Small 4-Pin (JETEC No. A4-26)
Basing Designation for BOTTOM VIEW 1B

Pin 1 - No Connection
Pin 2 - Anode
Pin 3 - No Connection



Pin 4 - No Connection
Cap - Cathode