



923

923

GAS PHOTOTUBE

Cathode	Semi-cylindrical	
Photosurface		S2
Window Area		0.4 sq.in.
Direct Interelectrode Capacitance		2 μ f
Maximum Overall Length		3-9/16"
Maximum Seated Height		2-15/16"
Maximum Diameter		1-3/16"
Bulb (lime glass)		T-9
Base		Small 4-Pin
Pin 1-No Connection		Pin 3-No Connection
Pin 2-Anode (+)		Pin 4-Cathode (-)
Mounting Position		Any



BOTTOM VIEW

*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. μ amp.
Ambient Temperature	100 max. °C
Luminous Sensitivity:*	
At 0 cycles	135 μ amp./lumen
At 5000 cycles	111 μ amp./lumen
At 10000 cycles	101 μ amp./lumen
Sensitivity at 8000 Angstroms	0.0130 μ amp./ μ watt
Gas Amplification Factor	Not over 10
D-C Resistance of Load:	

With anode-supply voltage of 75 volts or less

For d-c currents	{ above 3.5 μ amp. 0.1 min. megohm
	{ below 3.5 μ amp. No Minimum

With anode-supply voltage of 90 volts

For d-c currents	{ above 2 μ amp. 4 min. megohms
	{ below 2 μ amp. 1 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.

CURVES

for the 923 are the same as those for the 930.

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

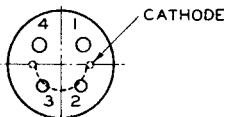
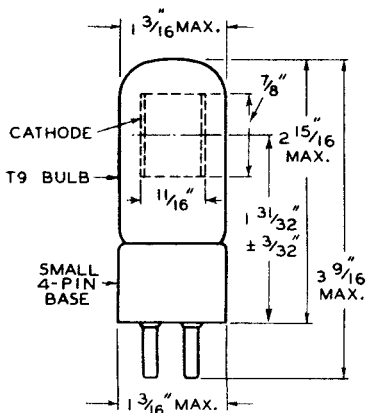
DATA

923



923

GAS PHOTOTUBE



BOTTOM VIEW

92C-4788R2

← Indicates a change.

Mar. 20, 1943

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CE-4788R2



923

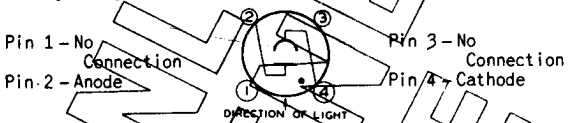
923 GAS PHOTOTUBE

WITH S-1 RESPONSE

DATA

General:

Spectral Response	S-1
Wavelength of Maximum Response	8000 ± 1000 Angstroms
Cathode:	
Shape	Semi-Cylindrical
Minimum Projected Length*	13/16"
Minimum Projected Width*	5/8"
Direct Interelectrode Capacitance	2 μuf
Maximum Overall Length	3-9/16"
Maximum Seated Length	2-15/16"
Seated Length to Center of Cathode	1-31/32" ± 3/32"
Maximum Diameter	1-3/16"
Bulb	T-9
Mounting Position	Any
Base	Small-Shell Small 4-Pin
Basing Designation for BOTTOM VIEW	2K



Maximum Ratings, Characteristics, and Curves
for the 923
are the same as those shown
for Type 930

* on plane perpendicular to indicated direction of incident light.

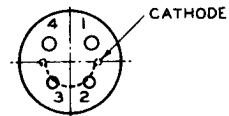
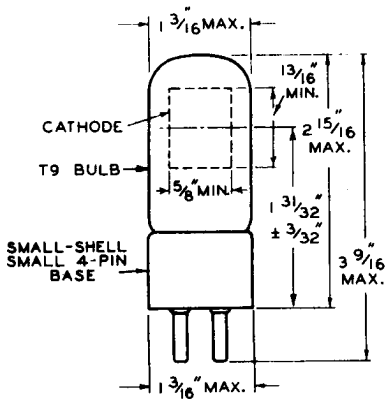
FOR

← indicates a change.

923



923 GAS PHOTOTUBE



BOTTOM VIEW

92CM-4788R3