



923

923

GAS PHOTOTUBE

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



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

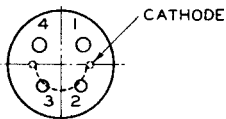
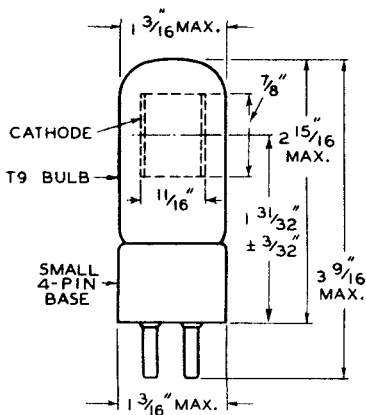
DATA

923



923

GAS PHOTOTUBE

BOTTOM VIEW

92C-4788R2

← Indicates a change.

Mar. 20, 1943

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

CE-4788R2



923

923 GAS PHOTOTUBE

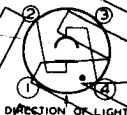
WITH S-1 RESPONSE

DATA

General:

Spectral Response	S-1
Wavelength of Maximum Response	8000 $\pm$ 1000 Angstroms
Cathode:	
Shape	Semi-Cylindrical
Minimum Projected Length*	13/16"
Minimum Projected Width*	5/8"
Direct Interelectrode Capacitance	2 $\mu\mu\text{f}$
Maximum Overall Length	3-9/16"
Maximum Seated Length	2-15/16"
Seated Length to Center of Cathode	1-31/32" $\pm$ 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

Pin 1 - No
Connection
Pin 2 - Anode



Pin 3 - No
Connection
Pin 4 - Cathode

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.

← indicates a change.

AUGUST 15, 1947

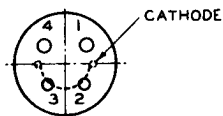
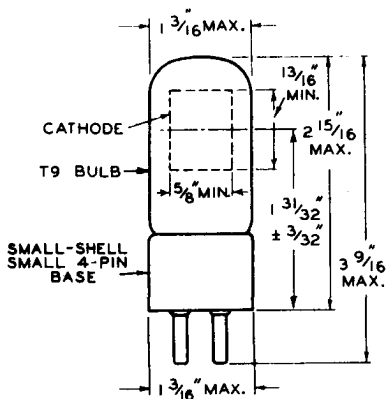
TUBE DEPARTMENT
RADIO CORPORATION OF AMERICA, HARRISON, NEW JERSEY

DATA

923



923 GAS PHOTOTUBE



BOTTOM VIEW

92CM-4788R3