



926

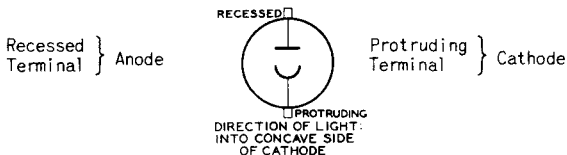
926

VACUUM PHOTOTUBE

CARTRIDGE TYPE WITH S-3 RESPONSE

DATA**General:**

Spectral Response S-3
 Wavelength of Maximum Response. . . . 4200 $\pm$ 1000 Angstroms
 Cathode:
 Shape Semi-Cylindrical
 Minimum Projected Length* 7/8"
 Minimum Projected Width* 1/2"
 Direct Interelectrode Capacitance 1 μ f
 Overall Length. 1-21/32" $\pm$ 1/16"
 Seated Length 1-13/32" $\pm$ 1/32"
 Length, Cathode Center to plane A-A' (see outline) 11/16" $\pm$ 1/16"
 Maximum Diameter. 0.890"
 Mounting Position Any
 Terminal Caps See Outline

BOTTOM VIEW**Maximum Ratings, Absolute Values:**

ANODE-SUPPLY VOLTAGE (DC or Peak AC)	500 max.	volts
PEAK CATHODE CURRENT	15 max.	μ amp
PEAK CATHODE-CURRENT DENSITY	100 max. μ amp/sq.in.	
AVERAGE CATHODE CURRENT	5 max.	μ amp
AMBIENT TEMPERATURE	100 max.	$^{\circ}$ C

Characteristics:

	<u>Min.</u>	<u>Av.</u>	<u>Max.</u>	
Dark Current at 250 Volts	-	-	0.005	μ amp
Sensitivity:				
At 4200 Angstroms	-	0.0016	-	μ amp/ μ watt
Luminous [▲]	4	6.5	15	μ amp/lumen ←

* on plane perpendicular to indicated direction of incident light.

○ Averaged over any interval of 30 seconds maximum.

▲ Measured under conditions specified on sheet "PHOTOTUBE SENSITIVITY and SENSITIVITY MEASUREMENTS" at the front of this Section.

OUTLINE DIMENSIONS for Type 926
 are the same as those for Type 921 ←

SPECTRAL-SENSITIVITY CHARACTERISTIC
 of Phototube having S-3 Response
 is shown at the front of this Section

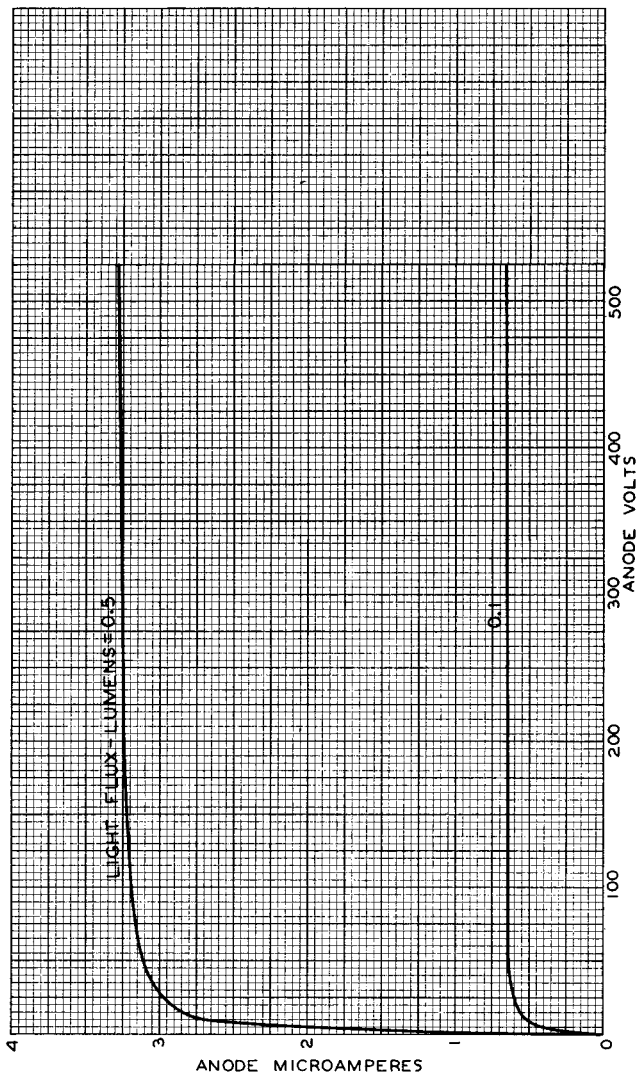
← Indicates a change.

926



926

AVERAGE ANODE CHARACTERISTICS



AUG. 4, 1947

TUBE DEPARTMENT
RADIO CORPORATION OF AMERICA, HARRISON, NEW JERSEY

92CM - 6209RI



926

926

VACUUM PHOTOTUBE

CARTRIDGE TYPE WITH S-3 RESPONSE

For colorimetric applications

DATA

General:

Spectral Response. S-3

Wavelength of Maximum Response 4200 $\pm$ 1000 angstroms

Cathode:

Shape. Semicylindrical

Minimum projected length*. 7/8"

Minimum projected width*. 1/2"

Direct Interelectrode Capacitance. 1 μ ufOverall Length 1-21/32" $\pm$ 1/16"Seated Length. 1-13/32" $\pm$ 1/32"

Length from Center of Useful Cathode Area

to Plane A-A' (See Dimensional Outline). . . . 11/16" $\pm$ 1/16"

Maximum Diameter 0.890"

Weight (Approx.) 0.4 oz

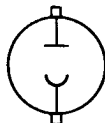
Mounting Position. Any

Terminals:

Recessed cap JETEC No. J1-23

Protruding cap JETEC No. J1-24

Basing Designation 2A0

Recessed } Anode
CapProtruding } Cathode
CapDIRECTION OF LIGHT:
INTO CONCAVE SIDE
OF CATHODE

Maximum Ratings, Absolute Values:

ANODE-SUPPLY VOLTAGE (DC or Peak AC) . . 500 max. volts

AVERAGE CATHODE-CURRENT DENSITY^o . . . 30 max. μ amp/sq. in.AVERAGE CATHODE CURRENT^o 5 max. μ ampAMBIENT TEMPERATURE. 100 max. $^{\circ}$ C

Characteristics, At 250 Volts on Anode:

Min. Median Max.

Sensitivity:

Radiant, at

4200 angstroms - 0.0018 - μ amp/ μ wattLuminous[▲]. 4 6.5 15 μ amp/lumen

Anode Dark Current

at 25 $^{\circ}$ C. - - 0.005 μ amp

* On plane perpendicular to indicated direction of incident light.

o Averaged over any interval of 30 seconds maximum.

▲ For conditions where the light source is a tungsten-filament lamp operated at a color temperature of 2870 $^{\circ}$ K. A dc anode supply of 250 volts, a 1-megohm load resistor, and a light input of 0.1 lumen are used.

← Indicates a change.



VACUUM PHOTOTUBE

DIMENSIONAL OUTLINE
for Type 926 is the same as that shown for Type 921

SPECTRAL-SENSITIVITY CHARACTERISTIC
of Phototube having S-3 Response
is shown at the front of this Section

AVERAGE ANODE CHARACTERISTICS

