



921

GAS PHOTOTUBE

CARTRIDGE TYPE WITH S-I RESPONSE

For relay applications

921

DATA**General:**

Spectral Response. S-1
 Wavelength of Maximum Response 8000 $\pm$ 1000 angstroms
 Cathode:

Shape. Semicylindrical
 Minimum projected length*. 7/8"
 Minimum projected width*. 1/2"
 Direct Interelectrode Capacitance. 1 μ mf
 Overall 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

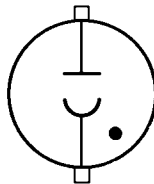
Terminals:

Recessed cap JETEC No. J1-23

Protruding cap JETEC No. J1-24

Basing Designation 2A0

Recessed } Anode
 Cap }



Protruding } Cathode
 Cap }

DIRECTION OF LIGHT:
 INTO CONCAVE SIDE
 OF CATHODE

Maximum Ratings, Absolute Values:

ANODE-SUPPLY VOLTAGE (DC or Peak AC) . . . 90 max. volts
 AVERAGE CATHODE-CURRENT DENSITY^o . . . 30 max. μ amp/sq. in.
 AVERAGE CATHODE CURRENT^o 3 max. μ amp
 AMBIENT TEMPERATURE. 100 max. $^{\circ}$ C

Characteristics, At 90 Volts on Anode:

	Min.	Median	Max.	
Sensitivity:				
Radiant, at				
8000 angstroms . . .	-	0.012	-	μ amp/ μ watt
Luminous: [▲]				
At 0 cps	75	135	205	μ amp/lumen
At 5000 cps.	-	119	-	μ amp/lumen
At 10000 cps	-	108	-	μ amp/lumen
Gas Amplification Factor.	-	-	10	
Anode Dark Current				
at 25 $^{\circ}$ C.	-	-	0.01	μ amp

* On plane perpendicular to indicated direction of incident light.

^o, [▲]: See next page.

← Indicates a change.

