917

VACUUM PHOTOTUBE

LOW-LEAKAGE TYPE WITH ANODE-TERMINAL CAP AND S-1 RESPONSE

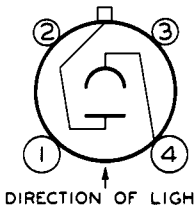
For light-measuring and relay applications

DATA

General:

Spectral Response	S-1
Wavelength of Maximum Response	8000 ± 1000 angstroms
Cathode:	
Shape	Semicylindrical
Minimum projected length*	1-9/16"
Minimum projected width*	5/8"
Direct Interelectrode Capacitance	2.2 μμf
Maximum Overall Length	4-7/16"
Seated Length	3-11/16" ± 1/8"
Seated Length to Center of Cathode	2-1/8" ± 3/32"
Maximum Diameter	1-1/8"
Mounting Position	Any
Weight (Approx.)	1.1 oz ←
Bulb	T-8
Cap	Small (JETEC No.C1-1) ←
Base	Dwarf-Shell Small 4-Pin (JETEC No.A4-26) ←
Basing Designation for BOTTOM VIEW	1A ←

Pin 1 – No Connection
Pin 2 – No Connection
Pin 3 – No Connection
Pin 4 – Cathode
Cap – Anode



Maximum Ratings, *Absolute Values:*

ANODE-SUPPLY VOLTAGE (DC or Peak AC)	500 max.	volts
AVERAGE CATHODE-CURRENT DENSITY°	30 max.	μamp/sq.in. ←
AVERAGE CATHODE CURRENT°	10 max.	μamp
AMBIENT TEMPERATURE	100 max.	°C

Characteristics, *At 250 Volts on Anode:*

	Min.	*Median*	*Max.*	
Sensitivity:				
Radiant, at 8000 angstroms	–	0.0018	–	μamp/μwatt ←
Luminous▲	12	20	40	μamp/lumen
Anode Dark Current at 25°C.	–	–	0.005	μamp

* On plane perpendicular to indicated direction of incident light.

° 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°K. A dc anode supply of 250 volts, a 1-megohm load resistor, and a light input of 0.1 lumen are used.

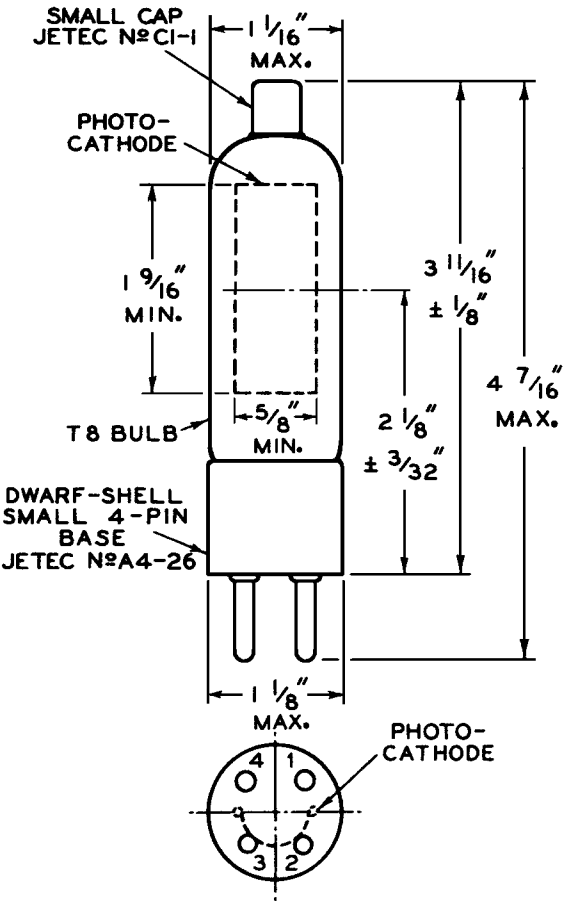
SPECTRAL-SENSITIVITY CHARACTERISTIC of Phototube having S-1 Response is shown at front of this Section

← Indicates a change.

TUBE DIVISION
RADIO CORPORATION OF AMERICA, HARRISON, NEW JERSEY

917

VACUUM PHOTOTUBE



92CS-4359R6

TUBE DIVISION
RADIO CORPORATION OF AMERICA, HARRISON, NEW JERSEY

RCA

917

AVERAGE ANODE CHARACTERISTICS