

Vacuum Phototube

SIDE-ON TYPE HAVING S-4 RESPONSE

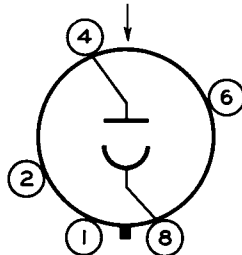
DATA

General:

Spectral Response.	S-4
Wavelength of Maximum Response	4000 $\pm$ 500 angstroms
Cathode:	
Shape.	Semicylindrical
Minimum projected length ^a	13/16"
Minimum projected width ^a	5/8"
Direct Interelectrode Capacitance (Approx.).	2.6 μ f
Maximum Overall Length	3-1/16"
Maximum Seated Length.	2-1/2"
Seated Length to Center of Cathode	1-5/8" $\pm$ 3/32"
Maximum Diameter	1-9/32"
Operating Position	Any
Weight (Approx.)	0.9 oz ←
Bulb	T9
Socket	Cinch No.8 JM-1, or equivalent ←
Base	Intermediate-Shell Octal 5-Pin, Arrangement 1 (JEDEC Group 1, No.85-10) ←
Basing Designation for BOTTOM VIEW	3J

DIRECTION OF LIGHT

Pin 1—No Internal
Connection
Pin 2—No Internal
Connection



Pin 4—Anode
Pin 6—No Internal
Connection
Pin 8—Cathode

Maximum Ratings, Absolute-Maximum Values: ←

ANODE-SUPPLY VOLTAGE (DC or Peak AC).	250 max.	volts
AVERAGE CATHODE-CURRENT DENSITY ^b	25 max.	μ a/sq.in.
AVERAGE CATHODE CURRENT ^b	5 max.	μ a
AMBIENT TEMPERATURE.	75 max.	°C

Characteristics: ←

With an anode-supply voltage of 250 volts

Min. Median Max.

Sensitivity:

Radiant, at 4000 angstroms.	—	0.044	—	amp/watt
Luminous ^c	25	45	70	μ a/lumen
Anode Dark Current at 25° C.	—	—	0.0125	μ a

←Indicates a change.



- a** On plane perpendicular to indicated direction of radiation.
- b** Averaged over any interval of 30 seconds maximum.
- c** For conditions where the light source is a tungsten-filament lamp operated at a color temperature of 2870° K. A 1-megohm load resistor and a light input of 0.1 lumen are used.

**SPECTRAL-SENSITIVITY CHARACTERISTIC
OF PHOTOSENSITIVE DEVICE HAVING S-4 RESPONSE**
is shown at the front of this section

DIMENSIONAL OUTLINE
shown under Type 5581 also applies to the 929

AVERAGE ANODE CHARACTERISTICS



92CM-6151RI

