

Vacuum Phototube

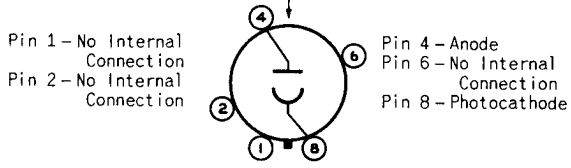
SIDE-ON TYPE HAVING S-4 RESPONSE

DATA

General:

Spectral Response		S-4
Wavelength of Maximum Response.	4000 ± 500	angstroms
Cathode:		
Shape		Semicylindrical
Minimum projected length ^a		13/16"
Minimum projected width ^a		5/8"
Direct Interelectrode Capacitance (Approx.)	2.6	μf
Maximum Overall Length.		3-1/16"
Maximum Seated Length		2-1/2"
Seated Length to Center of Cathode.	1-5/8" ± 3/32"	
Maximum Diameter.		1-9/32"
Operating Position.		Any
Weight (Approx.)		0.9 oz ←
Bulb.T9
Socket.	Cinch No.8JM-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



Maximum Ratings, Absolute-Maximum Values:

ANODE-SUPPLY VOLTAGE		
(DC or Peak AC)	250 max.	volts
AVERAGE CATHODE-CURRENT DENSITY ^b	25 max.	μa/sq. in.
AVERAGE CATHODE CURRENT ^b	5 max.	μa
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	20	45	100	μa/lumen
Anode Dark Current at 25° C	-	-	0.25	μa

← indicates a change.

5653

- a** On plane perpendicular to indicated direction of incident light.
- 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 PHOTSENSITIVE DEVICE HAVING S-4 RESPONSE**
is shown at front of this section

DIMENSIONAL OUTLINE
shown under Type 5581 also applies to the 5653

AVERAGE-ANODE-CHARACTERISTICS CURVE
shown under Type 929 also applies to the 5653

