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The Photocell is a variable resistor (rheostat) that is controlled by the amount of light it receives instead of by spinning a dial.

Light impinging on the sensor allows current to flow through it more easily

Low light -> high resistance

High light -> low resistance

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H

Photoconductive Cells

Epoxy Encapsulated

Small dimensions

Operating Temperature: -20°C ~ +70°C

Applications:

Contrast control in TV sets
Street light control
Room light control
Electronics toys
Industrial controls

G

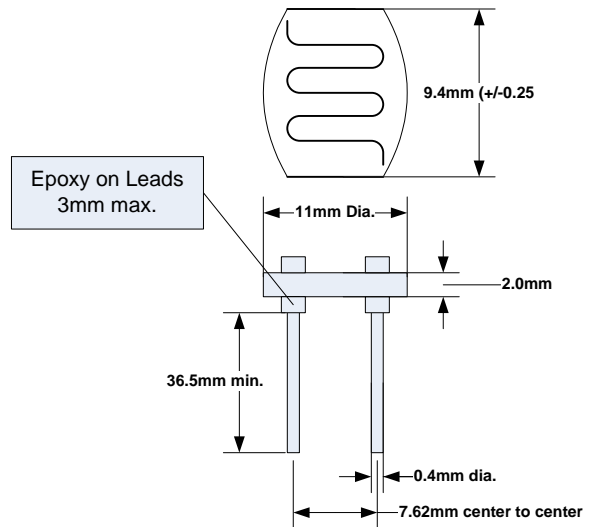
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Type	SEN-5001	
Light Resistance	@ 2FC	6 - 29
(kohms)	@1FC	12 - 58
R05 min. (kohms)	500	
Spectral Response	550nm	
Pmax (mW)	250	
Vmax (V)	250	

Features:

Maximum voltage rating @ 25°C: 350VDC

Maximum allowable power dissipation @ 25°C:
400mW

Resistance (Dark): 300kΩ

Resistance (Light): 8kΩ

Lead length: 1.44"

Operating temperature: -30°C to +70°C

Able to withstand soldering at 230°C for 3 seconds

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B

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Model No.: SEN-5001

Photoconductive Cells

Jameco Part Number 120299

A

A

SIZE
mm

FSCM NO

DWG NO

REV

SCALE

SHEET

1 OF 1

8

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