

Revisions			
Revision	Date	ECN	Description
AA	03-Nov-08		Initial Release
AB	03-Nov-09		Dimensions up-dated



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		CHK: APPRVL:		
TITLE: Data Sheet, NSL-5150 TO-18 Hermetic Photocell				
SCALE: NONE	DATE: 03-Nov-08	SIZE: A	DWG NO: 5030100016AB	SHEET 1 OF 2



NSL-5150
TO-18 Hermetic Photocell
Data Sheet 50 30 1 00016AB

Features

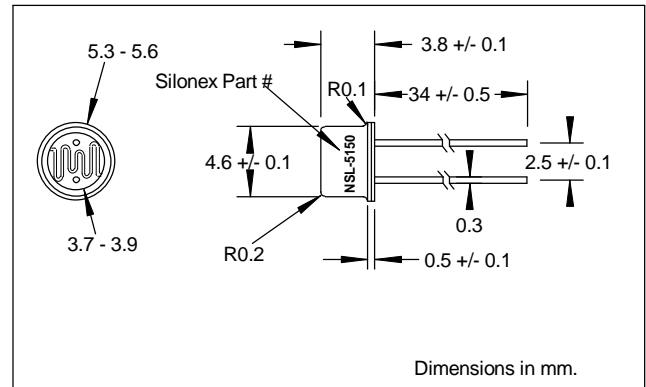
- Type 5 photoconductive materials
- Tolerance: $\pm 40\%$ @ 1 ftc, $\pm 33\%$ @ 2 ftc

Description

The NSL-5150 is a Type 5 CdS photoconductive cell in a flat lens TO-18 package.

Absolute Maximum Ratings

Operating & Storage Temp	-60°C to +75°C
Power Dissipation @ 25°C (1)	50 mW
Voltage (peak AC or DC)	100 V
Soldering Temperature (3)	260°C



Electrical Characteristics ($T_A=25^\circ\text{C}$, and source at 2854 °K) (2)

Symbol	Parameter	Min	Typ	Max.	Units	Test Conditions
R_L	Light Resistance	10	15	20	$K\Omega$	2 Ftc
			0.40		Ω	100 Ftc.
R_D	Dark Resistance	10			$M\Omega$	10 sec after removal of light
λ_p	Peak spectral wavelength		550		nm	

Specifications subject to change without notice

- Notes: (1) derate linearly to zero at 75°C
 (2) cells light adapted at 30 to 50 Ftc for 16 hrs. minimum prior to electrical tests
 (3) $\geq 0.05''$ from case for < 10 sec.

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