

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



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

**Features**

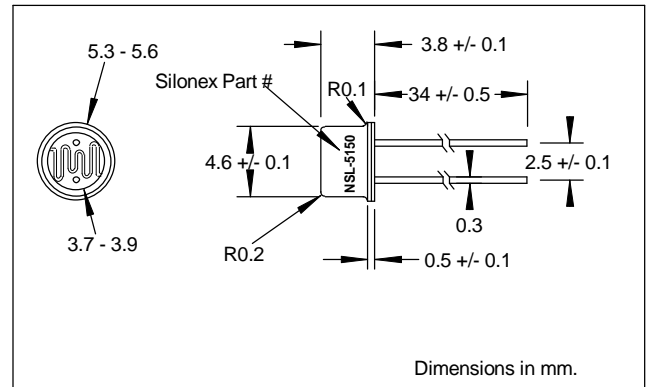
- Type 5 photoconductive materials
- Tolerance:  $\pm 40\%$  @ 1 ftc,  $\pm 33\%$  @ 2 ftc

**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		$\Omega$	100 Ftc.
$R_D$	Dark Resistance	10			$M\Omega$	10 sec after removal of light
$\lambda_p$	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.