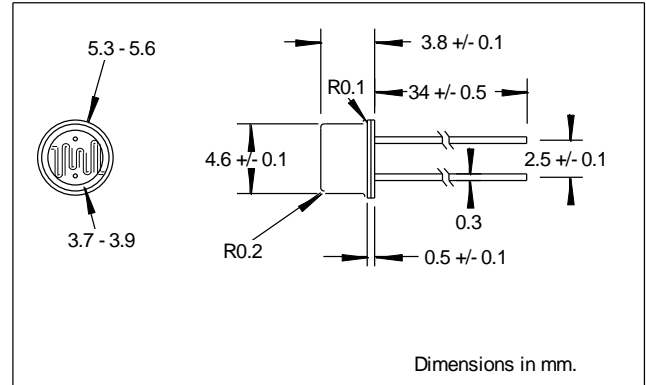


**Description**

The NSL-6110 is a light dependent resistor with sensitivity in the visible light region. The CdS photoconductive material is supplied in a TO-18 hermetically sealed 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	1.34	2.0	2.66	$K\Omega$	2 Ftc., (2)
			170		$\Omega$	100 Ftc.
$R_D$	Dark Resistance	1.3			$M\Omega$	5 sec after removal of light
$\lambda_P$	Peak spectral wavelength		615		nm	

Specifications subject to change without notice.

REV 06/02-14

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.

(4) Print "NSL-6110" and data code "YYWW" on window can.