



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



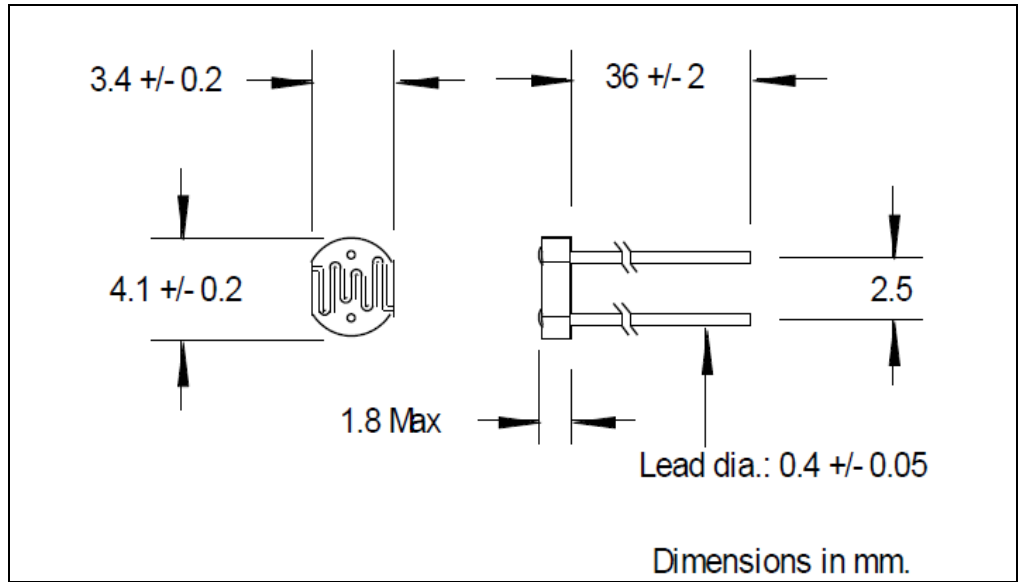
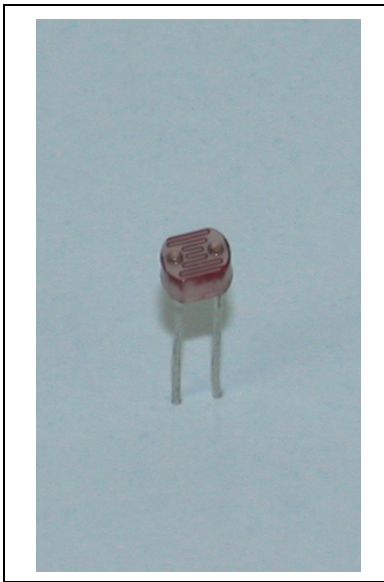
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DESCRIPTION

The NSL-6112 is a light dependent resistor with sensitivity in the visible light region. The CdSe photoconductive cell is on a TO-18 ceramic and the photocell surface is plastic encapsulated for moisture resistance.

RELIABILITY

This Luna high-reliability device is in principle able to meet military test requirements (Mil-STD-750, Mil-STD-883) after proper screening and group test. Contact Luna for recommendations on specific test conditions and procedures.

FEATURES

- Passive resistance output
- Ceramic package

APPLICATIONS

- Industrial Switching
- Medical
- Military

ABSOLUTE MAXIMUM RATINGS

SYMBOL	MIN	MAX	UNITS		
Voltage (peak AC or DC)	-	-	100	V	$T_a = 23^{\circ}\text{C}$ UNLESS OTHERWISE NOTED
Power Dissipation @ 25°C ¹	-	-	50	mW	-
Operating Temperature	-60	to	+75	°C	-
Storage Temperature	-60	-	+75	°C	-
Soldering Temperature ²	-	-	+260	°C	-

NOTE:
 1. Derate linearly to 0 at 75°C
 2. >0.05" from base for <10 sec
 3. Cells light adapted at 30 to 50 ftc. for 16hrs. minimum prior to electrical tests.

OPTO-ELECTRICAL PARAMETERS

T_a = 23°C UNLESS OTHERWISE NOTED

PARAMETER	TEST CONDITIONS	MIN	TYP	MAX	UNITS
Light Resistance	2 ftc., 2854°K ³	-	2.0	-	KΩ
Light Resistance	100 ftc., 2854°K ³	-	170	-	Ω
Dark Resistance	5 sec. after removal of test light	1.3	-	-	MΩ
Spectral Peak	-	-	690	-	nm

TYPICAL PERFORMANCE

RESISTIVITY vs. LIGHT INTENSITY @ 2854K

