



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!



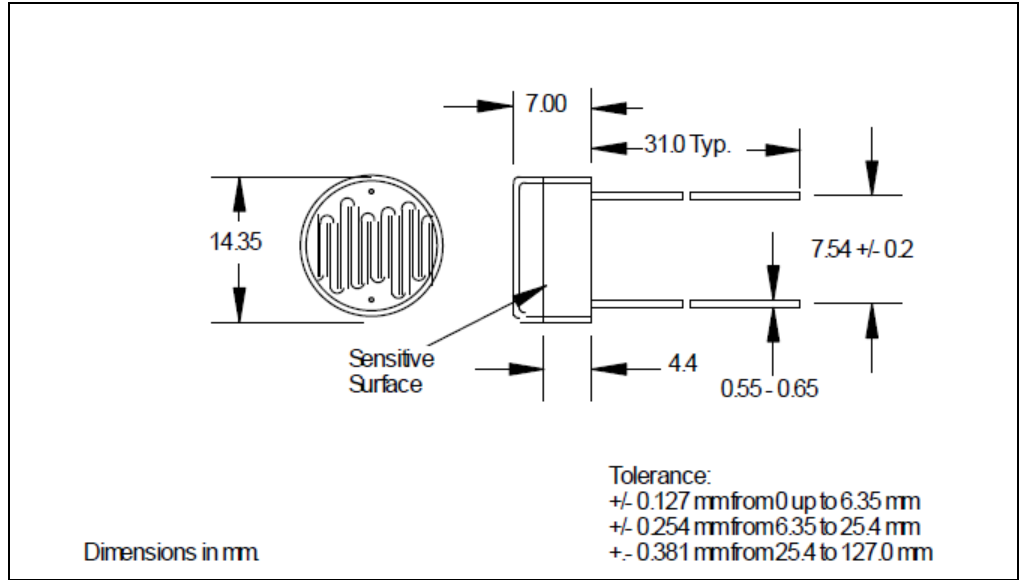
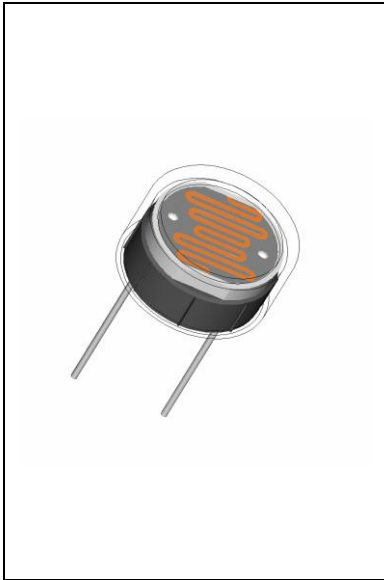
## Contact us

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**DESCRIPTION**

The NSL-19M51 is a light dependent resistor with sensitivity in the visible light region. The CdS photoconductive cell is on a TO-18 ceramic and the photocell surface is plastic encapsulated for moisture resistance.

**FEATURES**

- Compact design
- 550nm peak response
- Passive resistance
- Output

**RELIABILITY**

Contact Luna for recommendations on specific test conditions and procedures.

**APPLICATIONS**

- Industrial

**ABSOLUTE MAXIMUM RATINGS**

SYMBOL	MIN		MAX	UNITS	(TA)= 23°C UNLESS OTHERWISE NOTED
Power Dissipation at 30°C <sup>1</sup>	-	-	250	mW	-
Operation Temperature	-60	to	+75	°C	-
Storage Temperature	-60	to	+75	°C	-
Voltage (peak AC or DC)	-	-	+250	V	-

**NOTES:**

1. Derate linearly to 0 at 75°C

**OPTO-ELECTRICAL PARAMETERS**

T<sub>a</sub> = 23°C UNLESS NOTED OTHERWISE

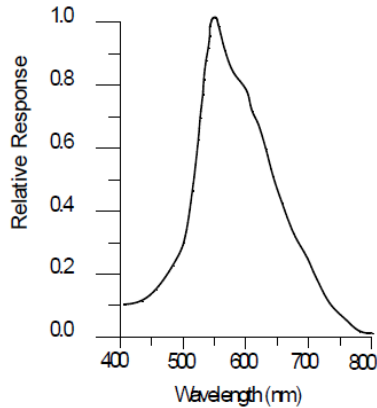
PARAMETER	TEST CONDITIONS	MIN	TYP	MAX	UNITS
Light Resistance	1 ftc. <sup>2</sup>	5.4	-	12.6	KΩ
Dark Resistance	15 sec after removal of test light.	1.0	-	-	MΩ
Spectral Peak	-	-	550	-	nm

**NOTE:**

- Cells light adapted at 30 to 50 Ftc. for 16 hrs. minimum prior to electrical tests.
- Print "NORPS-12" and date code "YYWW" on housing.

**TYPICAL PERFORMANCE**

**PEAK SPECTRAL RESPONSE**



**TYPICAL RESISTANCE vs. ILLUMINATION CHARACTERISTICS**

