



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!



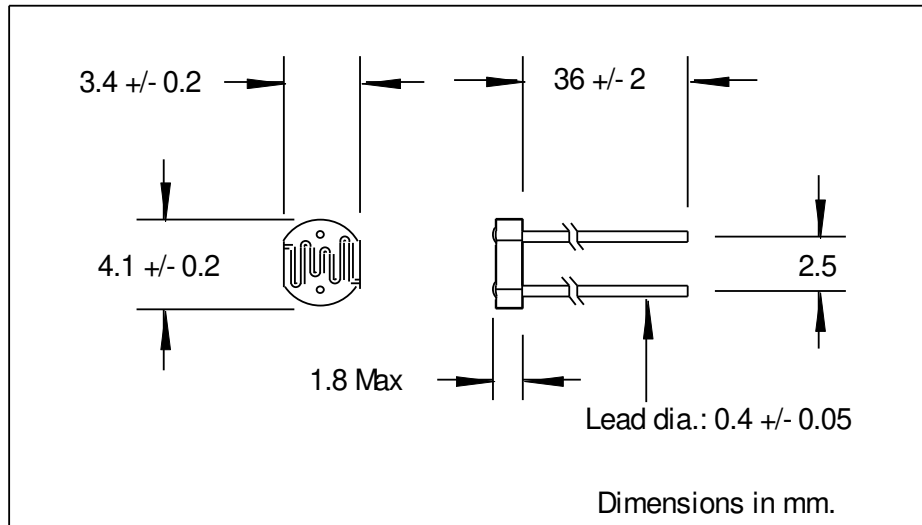
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DESCRIPTION

The NSL-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

- Passive resistance output
- Ceramic package

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
Voltage (peak AC or DC)	-	-	100	V	-
Power Dissipation @ 25°C ¹	-	-	50	mW	-
Operation Temperature	-60	to	+75	°C	-
Storage Temperature	-60	to	+75	°C	-
Soldering Temperature ²	-	-	+260	°C	-

NOTES:

1. Derate linearly to 0 at 75°C
2. >0.05" from case for <10 sec.

OPTO-ELECTRICAL PARAMETERS

T_a = 23°C unless noted otherwise

PARAMETER	TEST CONDITIONS	MIN	TYP	MAX	UNITS
Light Resistance	10 lux., 2854°K ³	20	-	100	KΩ
	100 lux., 2854°K ³	-	5	-	
Dark Resistance	10 sec after removal of test light.	20	-	-	MΩ
Spectral Peak	-	-	550	-	nm
Gamma	1-10 Lux	-	0.7	-	-
Gamma	10-100 Lux	-	0.7	-	-

NOTE:

- Cells light adapted at 30 to 50 Ftc for 16 hrs minimum prior to electrical tests.