



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!



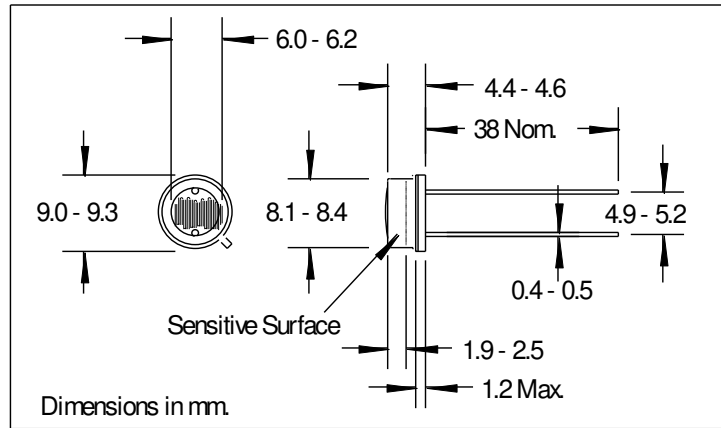
## Contact us

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**FEATURES**

- Passive resistance output
- Hermetic sealed

**DESCRIPTION**

The NSL-6510 is a type 5 CdS photoconductive cell in a flat lens TO-5 hermetic package.

**APPLICATIONS**

- Industrial

**ABSOLUTE MAXIMUM RATING**

(TA)= 23°C UNLESS OTHERWISE NOTED

SYMBOL	PARAMETER	MIN	MAX	UNITS
V <sub>P</sub>	Voltage (peak AC or DC)		125	V
P <sub>d</sub>	Power Dissipation @ 25°C (1)		200	mW
T <sub>Op</sub>	Operating Temperature	-60	+75	°C
T <sub>Sta</sub>	Storage Temperature	-60	+75	°C
T <sub>S</sub>	Soldering Temperature (2)		+260	°C

**Note:**

- (1) Derate linearly to 0 at 75°C
- (2) >0.08" from case for <5 sec.
- (3) Cells light adapted at 30 to 50 Ftc for 16 hrs minimum prior to electrical tests.
- (4) Print "NSL-6510" and date code "YYWW".

**RELIABILITY**

Contact API for recommendations on specific test conditions and procedures.

**ELECTRO-OPTICAL CHARACTERISTICS**

(TA)= 23°C, UNLESS OTHERWISE NOTED

SYMBOL	CHARACTERISTIC	TEST CONDITIONS	MIN	TYP	MAX	UNITS
R <sub>L</sub>	Light Resistance	2 ftc., 2854°K (3)	0.40	0.60	0.80	KΩ
		100 ftc., 2854°K (3)		50		Ω
R <sub>D</sub>	Dark Resistance	5 sec after removal of test light.	1.3			MΩ
λ <sub>P</sub>	Spectral Peak			615		nm