



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

Tel: +86-755-8981 8866 Fax: +86-755-8427 6832

Email & Skype: info@chipsmall.com Web: www.chipsmall.com

Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China



Features

- Compact moisture resistance package
- Best distortion characteristics
- Dual passive resistance output
- Assembly RoHS compliance except Cd in photocell

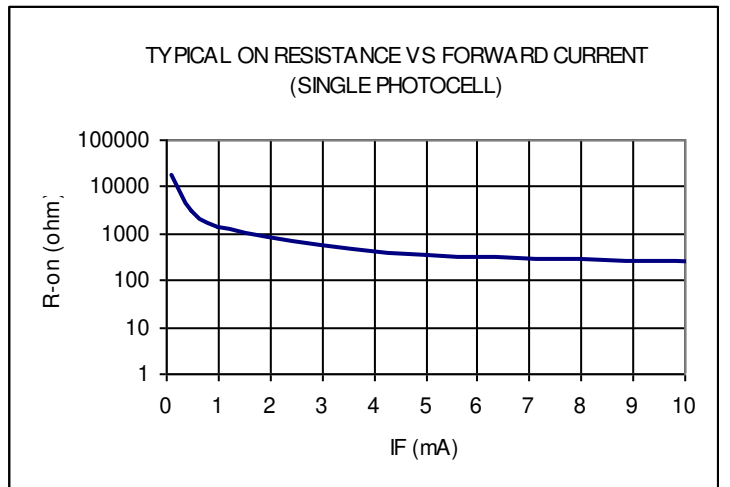
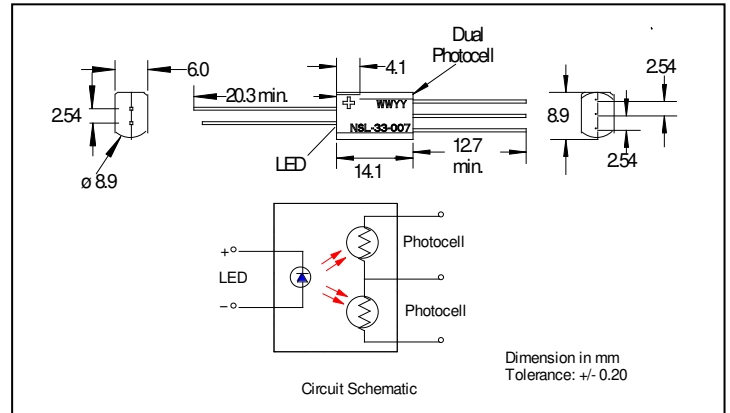
Description

This optocoupler consists of an LED coupled to a dual photocell. The photocell resistance is high when the LED current is “off” and low when the LED current is “on”.

Absolute Maximum Ratings

Storage Temperature	-40° C to +75° C
Operating Temperature	-40° C to +75° C
Soldering Temperature (1)	260° C
Isolation Voltage (Peak)	2000V

- Note: (1) >2 mm from case for <5 sec.
 (2) Derate linearly to 0 at 75°C
 (3) M_L is the percent difference between the photocell halves with the higher resistance used as the reference.



Electrical Characteristics (T_A=25°C unless otherwise noted)

Symbol	Parameter	Min.	Typ.	Max.	Units	Test Conditions
LED						
I _F	Forward Current			20	mA	
V _F	Forward Voltage		2.1		V	I _F = 20 mA
I _R	Reverse Current			10	µA	V _R = 4V
Photocell						
V _C	Maximum Cell Voltage			100	V	(Peak AC or DC)
P _D	Power Dissipation			30	mW	(2)
Coupled						
R _{ON}	On Resistance			700	Ω	I _F = 4.6 mA
R _{OFF}	Off Resistance	25			MΩ	10 sec after I _F = 0, 5Vdc on cell.
T _R	Rise Time		1.2		msec	Time to 63% of final conductance @ I _F = 4.6mA
T _F	Decay Time		2.1		msec	Time to 37% of final conductance after removal of I _F = 4.6mA
T _C	Cell Temp Coefficient		0.7		%/°C	I _F > 4.6 mA
M _L	Light Resistance Matching			20	%	(3)

Specifications subject to change without notice.

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