

DESCRIPTION

This optocoupler consists of an LED input optically coupled to a photocell. The photocell resistance is high when the LED current is "off" and low resistance when the LED current is "on".

FEATURES

- Compact, moisture resistant package
- Low LED current
- Passive resistance output

RELIABILITY

CdS/CdSe photo resistors are temperature sensitive, it should be noted that operation of the photocell above +75°C does not usually lead to catastrophic failure but the photoconductive surface may be damaged leading to irreversible changes in sensitivity

APPLICATIONS

- Industrial sensing

Contact API for recommendations on specific test conditions and procedures.

ABSOLUTE MAXIMUM RATINGS

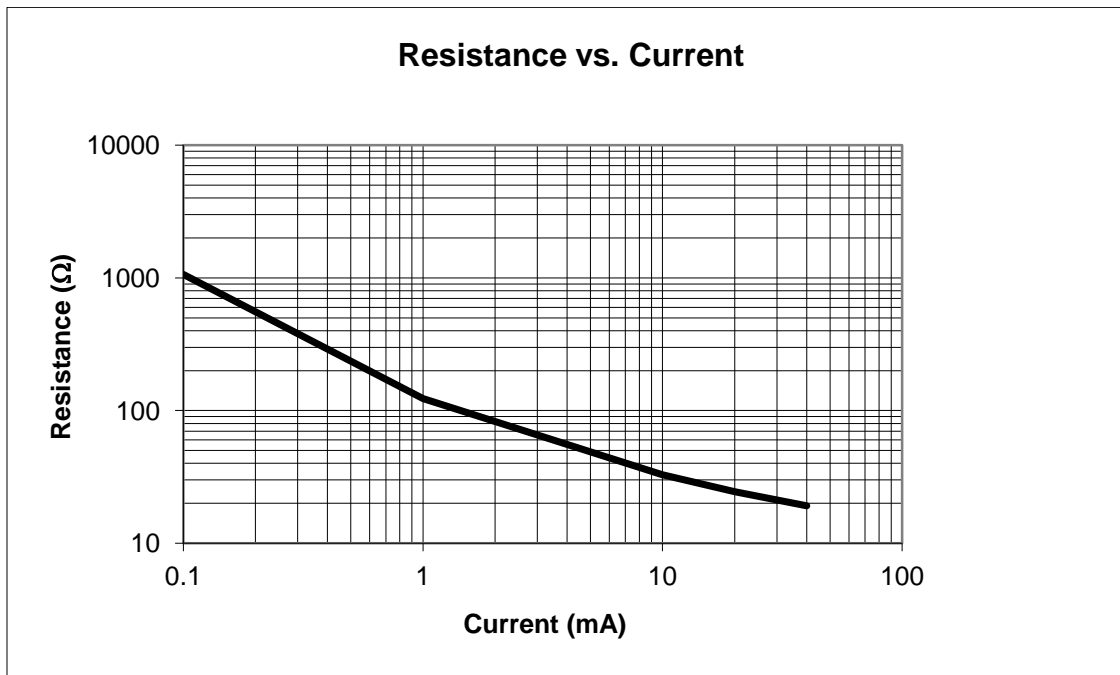
Isolation Voltage			2000	V	$T_a = 23^\circ\text{C}$
Operating Temperature	-40	to	+75	$^\circ\text{C}$	non condensing
Storage Temperature	-40	to	+75	$^\circ\text{C}$	
Soldering Temperature			+260	$^\circ\text{C}$	>0.05" from case for < 5 sec.

- (1) Derate linearly to 0 at 75°C
- (2) Measured after 1 minute ON @ $I_F = 20\text{mA}$ and followed by 10 sec. OFF.
- (3) Print "NSL-32SR2" and date code "YYWW"

OPTO-ELECTRICAL PARAMETERS

T_a = 23°C unless noted otherwise

PARAMETER	TEST CONDITIONS	MIN	TYP	MAX	UNITS
LED					
Forward Current				25	mA
Forward Voltage	I _F = 20mA			2.5	V
Reverse Current	V _R = 4V			10	μA
Cell					
Maximum Cell Voltage	(Peak AC or DC)			60	V
Power Dissipation	(1)			50	mW
Coupled					
On Resistance	I _F = 20mA			40	Ω
	I _F = 1mA		140		Ω
Off Resistance (2)	10 sec after I _F = 0 mA, 5 V dc on cell	1	5		MΩ
Rise Time	Time for the dark to light change in conductance to reach 63% of its final value		5		msec.
Decay Time	Time to reach 100 KΩ after removal of I _F = 16 mA		5		msec.
Cell Temp. Coefficient	I _F > 5 mA		0.7		%/°C



X-ON Electronics

Largest Supplier of Electrical and Electronic Components

Click to view similar products for [luna optoelectronics manufacturer](#):

Other Similar products are found below :

[PDI-E804](#) [PDB-V615-2](#) [PDB-V601-1-25](#) [PDB-C110](#) [PDV-P9004](#) [PDB-C109](#) [PDB-V107](#) [PDB-C612-2](#) [PDB-C107](#) [SLSD-71N300](#) [PDV-P9103](#) [NSL-4960](#) [PDB-C609-2](#) [PDB-C158F](#) [PDV-P5002](#) [NSL-6910](#) [PDB-C613-2](#) [NSL-5150](#) [NSL-5510](#) [PDV-P8101](#) [PDV-P8005](#) [NSL-32SR2S](#) [PDV-P8107](#) [PDB-C160SM](#) [PDV-P5001](#) [PDV-P7002](#) [PDV-P9003-1](#) [SLD-70BG2A](#) [PDV-P5003](#) [PDV-P9003](#) [NSL-5540](#) [NSL-32SR2](#) [PDV-P8006](#) [PDV-P8102](#) [PDB-C158](#) [NORPS-12](#) [PDV-P8001](#) [PDB-C171SM](#) [PDV-P9002](#) [PDV-P9200](#) [PDV-P9005](#) [APW-MW2-1210-010](#) [NSL-5152](#) [NSL-5162](#) [NSL-5112](#) [PDV-P9203](#) [NSL-6110](#) [NSL-06S53](#) [PDV-P9002-1](#) [PDB-C139](#)