



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

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
Isolation Voltage	-	-	2000	V	-
Operating Temperature	-40	to	+75	°C	-
Storage Temperature	-40	to	+75	°C	-
Soldering Temperature*	-	-	+260	°C	-

NOTE:

1. Derate linearly to 0 at 75°C
2. >2 mm from case for <5 sec.

OPTO-ELECTRICAL PARAMETERS

$T_a = 23^{\circ}\text{C}$ UNLESS NOTED OTHERWISE

PARAMETER	TEST CONDITIONS	MIN	TYP	MAX	UNITS
Forward Current	-	-	-	40	mA
Forward Voltage	$I_f = 16 \text{ mA}$	-	-	2.5	V
Reverse Current	$V_R = 4\text{V}$	-	-	3.0	μA
Maximum Cell Voltage	(Peak AC or DC)	-	-	100	V
Power Dissipation	(1)	-	-	50	mW
On Resistance	$I_f = 20 \text{ mA}$	-	-	400	Ω
Off Resistance	10 sec. after $I_f = 0 \text{ mA}$, 5 V dc on cell	10	-	-	M Ω
Cell Temp. Coefficient	$I_f > 5 \text{ mA}$	-	0.7	-	%/ $^{\circ}\text{C}$

NOTE:

3. Print "NSL-28" and date code YYWW.