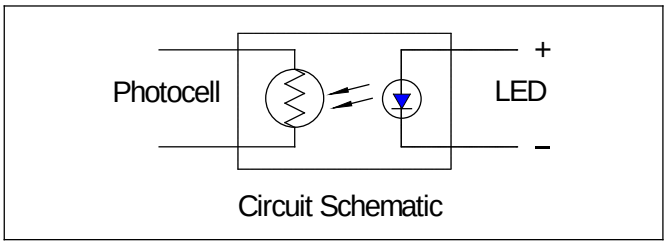
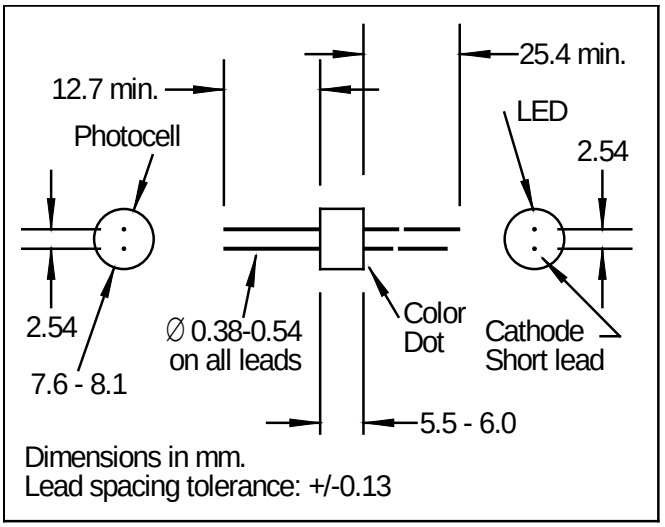


Circuit Schematic



Dimensions in mm.
Lead spacing tolerance: +/-0.13

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.

REV 01-04-16

Luna Optoelectronics, 1240 Avenida Acaso, Camarillo CA 93012 • Phone (805) 987-0146 • Fax (805) 484-9935

OPTO-ELECTRICAL PARAMETERS

T_a = 23°C UNLESS NOTED OTHERWISE

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

NOTE:

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

Luna Optoelectronics, 1240 Avenida Acaso, Camarillo CA 93012 • Phone (805) 987-0146 • Fax (805) 484-9935