



## DESCRIPTION

The NSL-4172 is a light dependent resistor with sensitivity in the visible light region. The CdS photoconductive cell is on a TO-18 ceramic and the photocell surface is plastic encapsulated for moisture resistance.

## FEATURES

- Passive resistance output
- Ceramic package

## RELIABILITY

Contact Luna for recommendations on specific test conditions and procedures.

## APPLICATIONS

- Industrial

## ABSOLUTE MAXIMUM RATINGS

SYMBOL	MIN		MAX	UNITS	
Voltage (peak AC or DC)	-	-	320	V	$T_a = 23^\circ\text{C}$ UNLESS NOTED OTHERWISE
Power Dissipation @ $25^\circ\text{C}^1$	0	to	50	$^\circ\text{C}$	-
Storage Temperature	-60	to	+75	$^\circ\text{C}$	-
Soldering Temperature	-60	-	+75	$^\circ\text{C}$	-
Wavelength Range	-	-	260	nm	-

**OPTO-ELECTRICAL PARAMETERS**

T<sub>a</sub> = 23°C UNLESS NOTED OTHERWISE

PARAMETER	TEST CONDITIONS	MIN	TYP	MAX	UNITS
Light Resistance	1 ftc., 2854 °K <sup>3</sup>	66	110	154	KΩ
	100 ftc., 2854 °K <sup>3</sup>	-	1.7	-	KΩ
Dark Resistance	5 sec after removal of test light	6.6	-	-	MΩ
Spectral Peak	-	-	515	-	nm