OPTOELECTRONICS

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TO-18 Ceramic Package Photocell

Precision – Control – Results

NSL-4132

2.5



DESCRIPTION

The NSL-4132 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 •

APPLICATIONS

Industrial

RELIABILITY

Contact Luna for recommendations on specific test conditions and procedures.

ABSOLUTE MAXIMUM RATINGS

SYMBOL	MIN		MAX	UNITS	$T_a = 23^{\circ}C$ UNLESS NOTED OTHERWISE	
Voltage (peak AC or DC)	-	-	80	V	-	
Power Dissipation @25°C	-	-	50	mW	Derate linearly to at 75°C	
Operating Temperature	-60	to	+75	°C	Non condensing	
Storage Temperature	-60	То	+75	°C	-	
Soldering Temperature	-	-	+260	°C	>2mm from case	

Note:

1. Cells light adapted at 30 to 50 Ftc for 16 hrs. minimum prior to electrical tests

Information in this technical datasheet is believed to be correct and reliable. However, no responsibility is assumed for possible inaccuracies or omission. Specifications are subject to change without notice.

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OPTO-ELECTRICAL PARAMETERS

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

PARAMETER	TEST CONDITIONS	MIN	ТҮР	MAX	UNITS
Light Resistance	1 ftc., 2854° K (1)	18	30	42	KΩ
	100 ftc., 2854° K (1)	-	500	-	Ω
Dark Current	5 sec. after removal of test light	1.8	-	-	MΩ
Spectral Peak	-	-	550	-	nm

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