TO-18 Ceramic Package Photocell

NSL-5122

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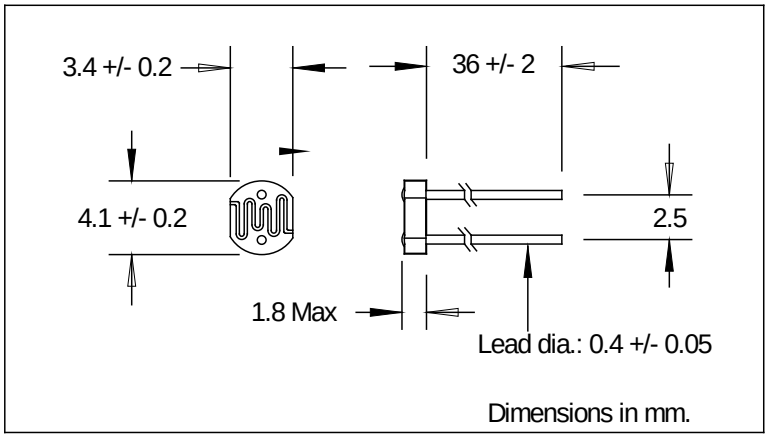
Precision – Control – Results



DESCRIPTION

The NSL-5122 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)	-	-	100	V	T_a = 23°C UNLESS NOTED OTHERWISE
Power Dissipation @ 25°C	-	-	50	mw	Derate linearly to 0 at 75°C
Operating Temperature	-60	to	+75	°C	Non condensing
Soldering Temperature	-	-	+260	°C	>2 mm from case for < 10 sec.

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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
Light Resistance	1 ftc., 2854°K [1]	13	20	27	KΩ
	100 ftc., 2854°K[1]	-	1.5	-	Ω
Dark Resistance	5 sec after removal of test light	1.3	-	-	MΩ
Spectral Peak	-	-	550	-	nm

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

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