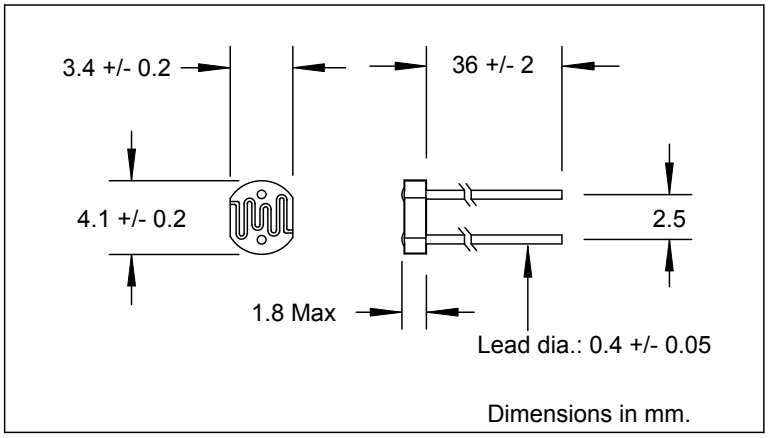
TO-18 Ceramic Package Photocell

NSL 5162

WWW.LUNAINC.COM

Precision – Control – Results



DESCRIPTION

The NSL-5162 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 OTHERWISE NOTED
Power Dissipation @ 25°C[1]	-	-	50	mw	-
Operating Temperature	-60	to	+75	°C	-
Storage Temperature	-60	to	+75	°C	-
Soldering Temperature[2]	-	-	+260	°C	-

NOTE:

1.Derate linearly to 0 at 75°C

2. >0.05" from base for < 10 sec.

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.

REV 12-13-16

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OPTO-ELECTRICAL PARAMETERS

T_a = 23°C UNLESS NOTED OTHERWISE

PARAMETER	TEST CONDITIONS	MIN	TYP	MAX	UNITS
Light Resistance	2 ftc., 2854°K [3]	67	100	133	KΩ
	100 ftc., 2854°K[3]	-	3.0	-	KΩ
Dark Resistance	5 sec after removal of test light	67	-	-	MΩ
Spectral Peak	-	-	550	-	nm

NOTE:

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

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