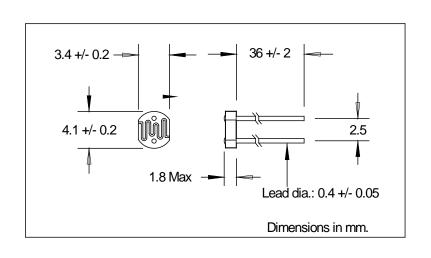


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DESCRIPTION

The NSL-5152 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 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.



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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	10	15	20	ΚΩ
	100 ftc., 2854°K ³	-	400	-	Ω
Dark Resistance	5 sec after removal of test light	10	-	-	ΚΩ
Spectral Peak	-	-	550	-	nm

NOTE:

 $[{]f 3}$ Cells light adapted at 30 to 50 Ftc for 16 hrs minimum prior to electrical tests.