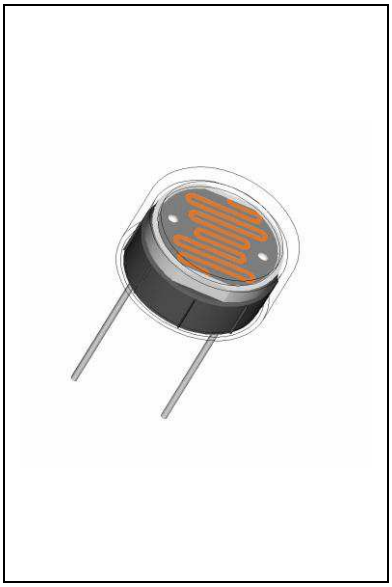
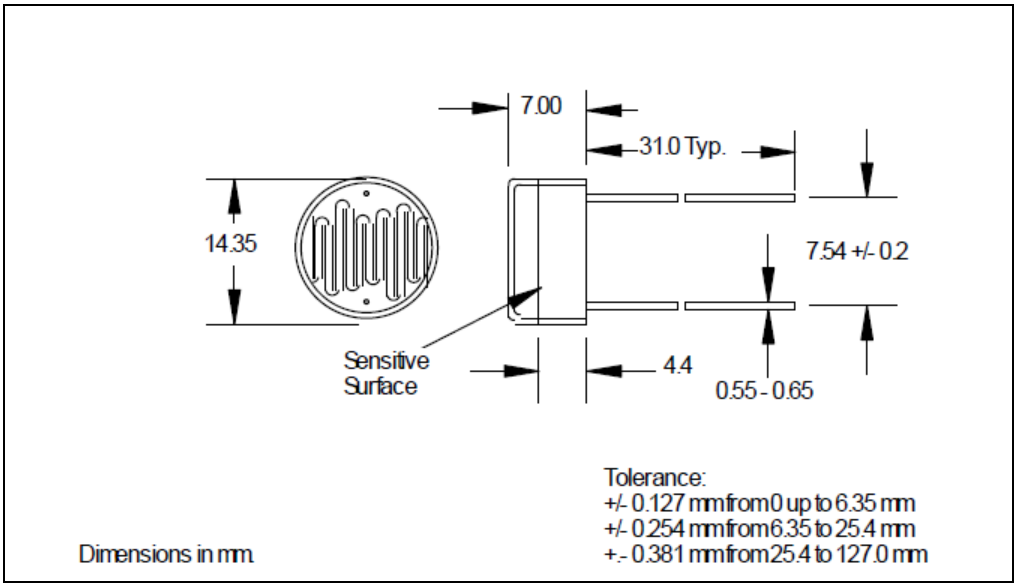
Plastic Package Cds Photocells

NORPS-12

WWW.LUNAINC.COM **Precision – Control – Results**





DESCRIPTION

The NSL-19M51 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

- Compact design
- 550nm peak response
- Passive resistance
- Output

RELIABILITY

Contact Luna for recommendations on specific test conditions and procedures.

APPLICATIONS

- Industrial

ABSOLUTE MAXIMUM RATINGS

SYMBOL	MIN		MAX	UNITS	(TA)= 23°C UNLESS OTHERWISE NOTED
Power Dissipation at 30°C[1]	-	-	250	mW	-
Operation Temperature	-60	to	+75	°C	-
Storage Temperature	-60	to	+75	°C	-
Voltage (peak AC or DC)	-	-	+250	V	-

NOTES:

1. Derate linearly to 0 at 75°C

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°C UNLESS NOTED OTHERWISE

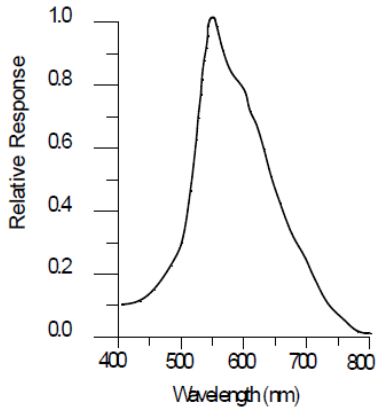
PARAMETER	TEST CONDITIONS	MIN	TYP	MAX	UNITS
Light Resistance	1 ftc.[2]	5.4	-	12.6	KΩ
Dark Resistance	15 sec after removal of test light.	1.0	-	-	MΩ
Spectral Peak	-	-	550	-	nm

NOTE:

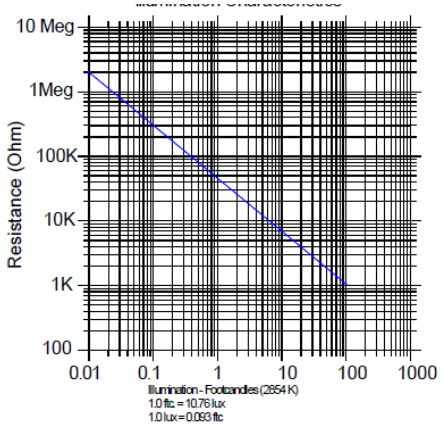
2. Cells light adapted at 30 to 50 Ftc. for 16 hrs. minimum prior to electrical tests.
3. Print "**NORPS-12**" and date code "**YYWW**" on housing.

TYPICAL PERFORMANCE

PEAK SPECTRAL RESPONSE



TYPICAL RESISTANCE vs. ILLUMINATION CHARACTERISTICS



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