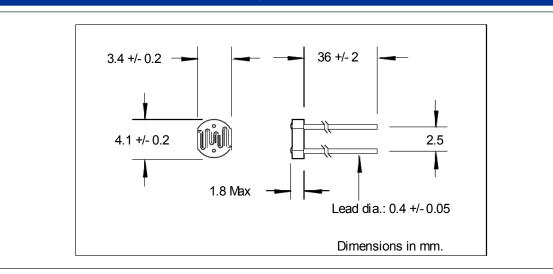


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DESCRIPTION

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

- 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	(TA)= 23°C UNLESS OTHERWISE NOTED
Voltage (peak AC or DC)	-	-	100	V	-
Power Dissipation @ 25°C ¹	-	-	50	mW	-
Operation Temperature	-60	to	+75	°C	-
Storage Temperature	-60	to	+75	°C	-
Soldering Temperature ²	-	-	+260	°C	-

NOTES:

- Derate linearly to 0 at 75°C
- 2. >0.05" from case 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.

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To-18 Ceramic Package Photocells

NSL-19M51

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OPTO-ELECTRICAL PARAMETERS

T_a = 23°C unless noted otherwise

PARAMETER	TEST CONDITIONS	MIN	TYP	MAX	UNITS
Light Decistores	10 lux., 2854°K ³	20	-	100	ΚΩ
Light Resistance	100 lux., 2854°K ³	-	5	-	
Dark Resistance	10 sec after removal of test light.	20	-	-	МΩ
Spectral Peak	Peak -		550	-	nm
Gamma	Gamma 1-10 Lux		0.7	-	-
Gamma	10 100 = 0.11		0.7	-	-

NOTE:

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