



Advanced Photonix

A Division of OSI Optoelectronics

NSL-5912



FEATURES

- Passive resistance output
- Hermetic sealed
- Plastic Coated

DESCRIPTION

The NSL-5912 is a light dependent resistor with sensitivity in the visible light region. The CdS photoconductive cell is on a TO-8 ceramic and the photocell surface is plastic encapsulated for moisture resistance.

APPLICATIONS

- Industrial

> Absolute Maximum Ratings

Part No.	Power Dissipation ¹ [mW]	Peak Voltage [V]	Operating Temperature [C]	Storage Temperature [C]	Package
NSL-5912	200	170	-30 to +70	-30 to +70	TO-8

(1) Derate linearly to 0mW at 75°C

> Electrical and Optical Characteristics

Typical Characteristics per elements (T=23°C unless specified)

Parameter	Test Conditions	Symbol	Min	Typical	Max	Unit
Light Resistance	2 ftc., 2854°K (2)	R _L	1	1.5	2	KΩ
	100 ftc., 2854°K (2)		-	150	-	Ω
Dark Resistance	5 sec after removal of test light.	R _D	100	-	-	KΩ
Spectral Peak		λ _P	-	550	-	nm

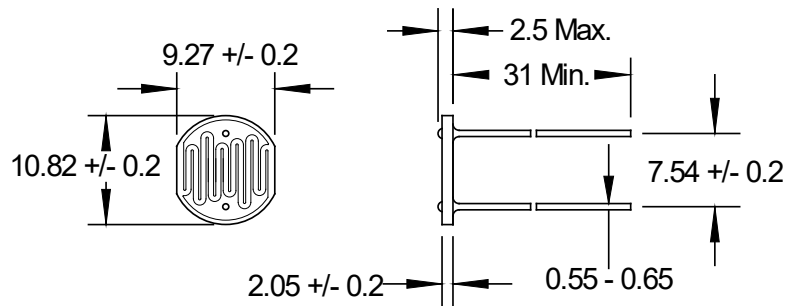
(2) Cells light adapted at 30 to 50 Ftc for 16 hrs minimum prior to electrical tests.

(3) Print "NSL-5912" and date code "YYWW"

Rev: A
November 18, 2020
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NSL-5912

> Package Dimensions



Dimensions in mm.

> Soldering Conditions: 260°C 1/16 inch away from case for 3 seconds max.

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MATERIALS SAFETY

This product is free of conflict minerals and meets REACH compliance. Please see website for reports.

Rev: A
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