



Advanced Photonix

A Division of OSI Optoelectronics

NSL-07-005



FEATURES

- Passive resistance output
- Hermetic sealed
- Visible light response
- Sintered construction

DESCRIPTION

The NSL-07-005 is a dual element type 5 CdS photoconductive cell in a flat lens TO-5 hermetic package.

APPLICATIONS

- Military
- Industrial
- Medical

> Absolute Maximum Ratings

Part No.	Power Dissipation ¹ [mW]	Peak Voltage [V]	Operating Temperature [C]	Storage Temperature [C]	Package
NSL-07-005	200	150	-60 to +75	-60 to +75	TO-5

(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	1 ftc., 2854°K (2)	R _L	75	-	200	KΩ
Dark Resistance	5 sec after removal of test light.	R _D	2	-	-	MΩ
Spectral Peak		λ _P	-	550	-	nm
Matching	Percent difference between the photocell halves with the higher resistance used as the reference.	-	-	-	20	%

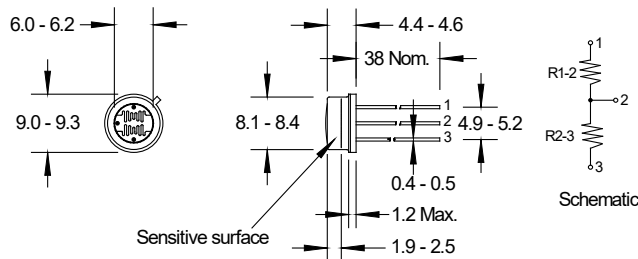
(2) Cells light adapted at 30 to 50 Ftc for 16 hrs minimum prior to electrical tests.

(3) Print "NSL-07-005" and date code "YYWW".

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NSL-07-005

> 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.

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