LASER COMPONENTS®

Advanced Photonix
A Division of OSI Optoelectronics

NSL-10-065

FEATURES
- Passive resistance output
- Plastic Coated

DESCRIPTION
The NSL-10-065 photocell is a light dependent resistor with sensitivity from visible light to near infrared radiation.

APPLICATIONS
- Industrial

> Absolute Maximum Ratings

Part No.	Power Dissipation[1] [mW]	Peak Voltage [V]	Operating Temperature [C]	Storage Temperature [C]	Package
NSL-10-065	350	400	-35 to +75	-35 to +75	Ceramic

(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	16	-	30	KΩ
	50 ftc., 2854°K (2)		-	-	3.5	KΩ
Dark Resistance	5 sec after removal of test light.	R_D	300	-	-	KΩ
Spectral Peak		λ_P	-	550	-	nm

(2) Cells light adapted at 30 to 50 Ftc for 60 to 90 minutes minimum prior to electrical tests.

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December 13, 2021

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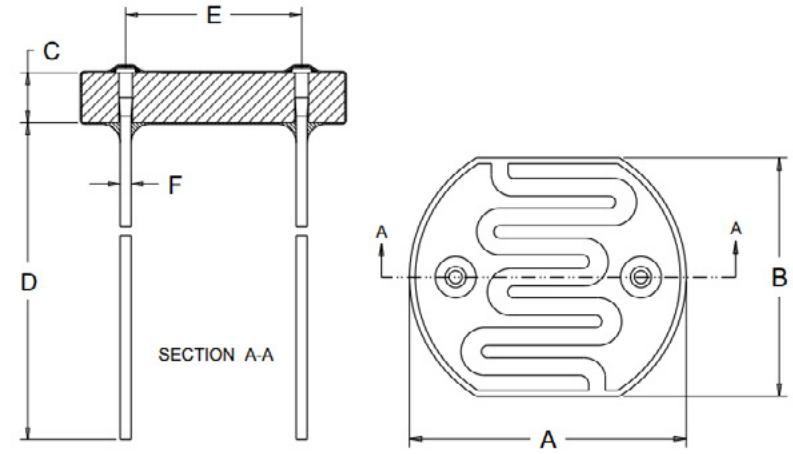
> Package Dimensions



PACKAGE DIMENSIONS (mm)	
A	Ø 10.9± 0.2
B	9.1± 0.2
C	2.6 MAX
D	36.0±2
E	7.6
F	Ø 0.6

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

LEGAL DISCLAIMER

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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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