



NSL-06-016

FEATURES

- Compact, moisture resistant package
- Passive resistance output
- Hermetically sealed

DESCRIPTION

The NSL-06-016 is a light dependent resistor with sensitivity in the visible light region. The CdS photoconductive material is supplied in a TO-18 hermetically sealed package.

APPLICATIONS

- Industrial Switching

> Absolute Maximum Ratings

Part No.	Power Dissipation [mW] ¹	Voltage [V]	Operating Temperature [C]	Storage Temperature [C]	Package
NSL-06-016	50	300	-60 to +75	-60 to +75	TO-18

1. Derate linearly to 0 at 75°C

> Electrical and Optical Characteristics

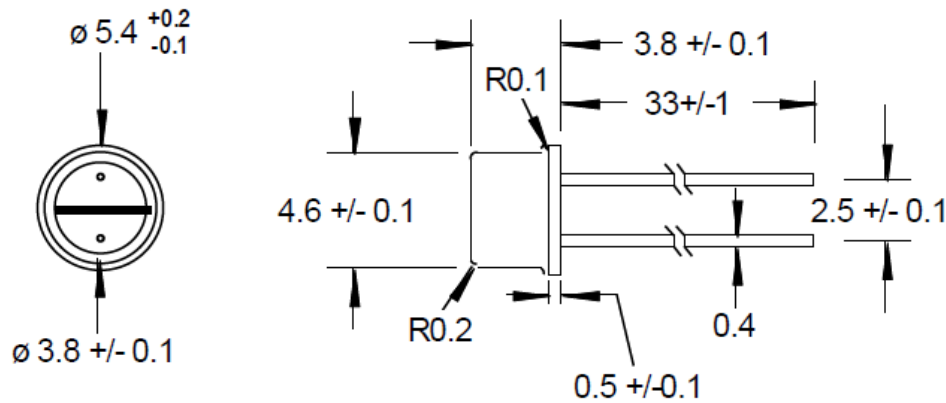
Typical Characteristics per elements (T=23°C unless specified)						
Parameter	Test Conditions	Symbol	Min	Typical	Max	Unit
Light Resistance		R _{ON}	-	-	-	KΩ
NSL-06-016A	2ftc. @2854K ²		44	-	57	
NSL-06-016B	2ftc. @2854K ²		54	-	70	
NSL-06-016C	2ftc. @2854K ²		67	-	86	
Dark Resistance	5 seconds after removal of light	R _{OFF}	5	-	-	MΩ
Peak Wavelength		λ _P	-	615	-	nm

2. Cells are light adapted @ 30 - 50 ftc. for 16 hours minimum prior to test.

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> 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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