



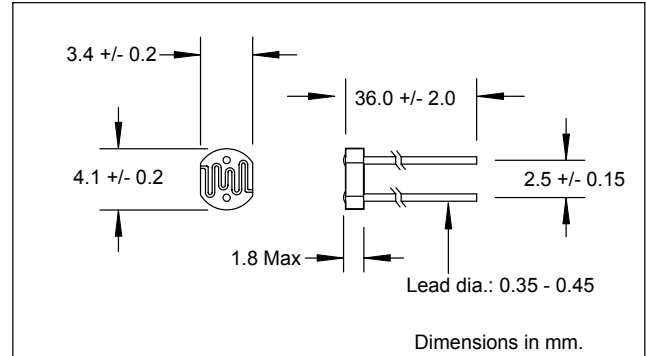
NSL-19M51
Ceramic Package
 102082 REV 5

Description

The NSL-19M51 is a CdS photoconductive cell on a TO-18 ceramic plastic encapsulated for moisture resistance.

Absolute Maximum Ratings

Operating & Storage Temp -60°C to +75°C
 Power Dissipation @ 25°C (1) 50 mW
 Voltage (peak AC or DC) 100 V



Electrical Characteristics ($T_A=25^\circ\text{C}$, source at 2854°K)(2)

| Symbol | Parameter | Min | Typ | Max. | Units | Test Conditions |
|-------------|--------------------------|-----|-----|------|-----------|-------------------------------|
| R_L | Light Resistance | 20 | | 100 | $K\Omega$ | 10 lux |
| | | | 5 | | $K\Omega$ | 100 lux |
| R_D | Dark Resistance | 20 | | | $M\Omega$ | 10 sec after removal of light |
| λ_P | Peak spectral wavelength | | 550 | | nm | |
| Γ | Gamma | | 0.7 | | | 1 - 10 Lux |
| Γ | Gamma | | 0.7 | | | 10 - 100 Lux |

Specifications subject to change without notice

Notes: (1) derate linearly to 0 at 75°C

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

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