



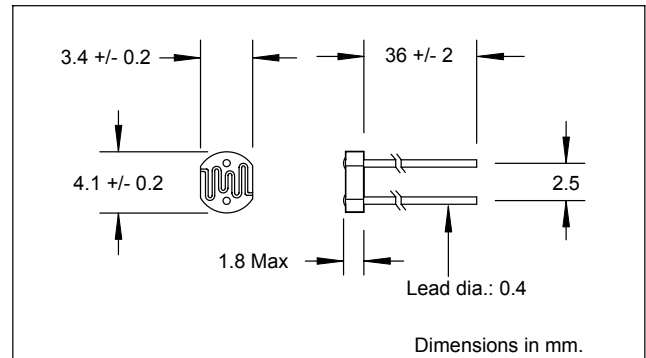
NSL-19M51
Ceramic Package
102082 REV 4

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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