



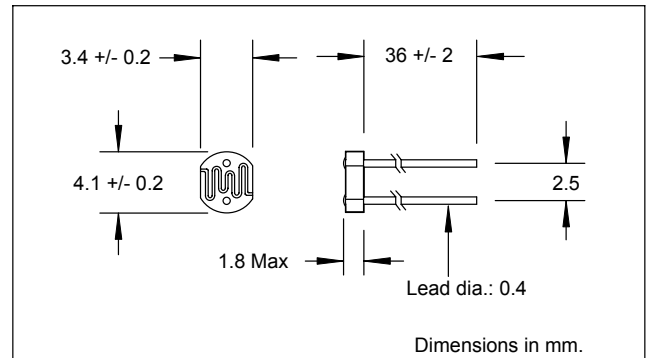
**NSL-19M51**  
**Ceramic Package**  
**102082 REV 4**

**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
$\lambda_P$	Peak spectral wavelength		550		nm	
$\Gamma$	Gamma		0.7			1 - 10 Lux
$\Gamma$	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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