

**NSL-19M51**

Photocell

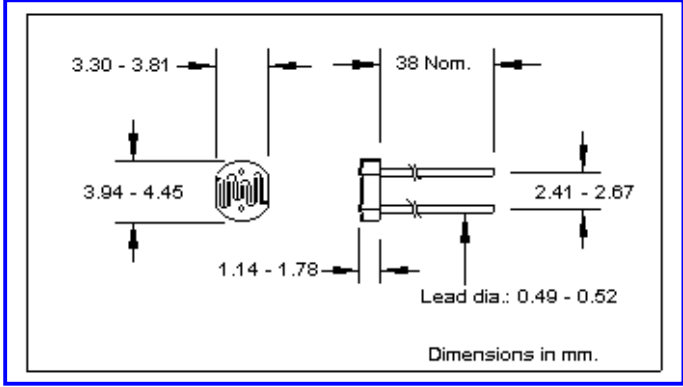
Ceramic Substrate

**Description**

The NSL-19M51 is a CdS photocell on a TO-18 ceramic substrate 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 unless otherwise noted)(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 102082 REV 3

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