Revisions			
Revision	Date	ECN	Description
1	7-Jan-97		Redrawn in Data Sheet format
2	29-May-97		Gamma 10-100 lux changed from 1.4 to 0.7 Tolerance added to Dwg.
3	11-Nov-97		Photocell changed to Photoconductive cell
4	23-May-08		Dimension tolerance adjusted for different ceramic sources
5	07-Nov-08		Dimensions up-dated

SILONEX inc

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CHK:

APPRVL:

TITLE:

Data Sheet, NSL-19M51, TO-18 Open Plastic Encapsulated

SCALE:	DATE:	SIZE:	DWG NO:	REV	SHEET
NONE	09-Jul-92	A	102082	5	1 OF 2

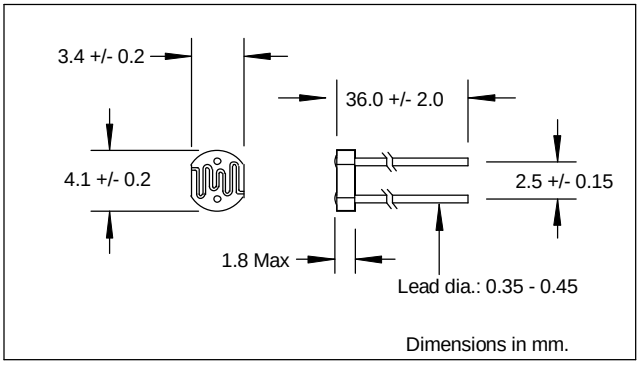
NSL-19M51

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°C, source at 2854°K)(2)

Symbol	Parameter	Min	Typ	Max.	Units	Test Conditions
R_L	Light Resistance	20		100	KΩ	10 lux
			5		KΩ	100 lux
R_D	Dark Resistance	20			MΩ	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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