

Revisions

Revision	Date	ECN	Description
0	30-Nov-98		First Release
1	03-Jun-08		Dimensions up-dated



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 CHK:
 APPRVL:

TITLE:

**Data Sheet, NSL-06S53 TO-18 Hermetic
 Photocell**

SCALE:	DATE:	SIZE:	DWG NO:	REV	SHEET
NONE	30-Nov-98	A	103856	1	1 OF 2



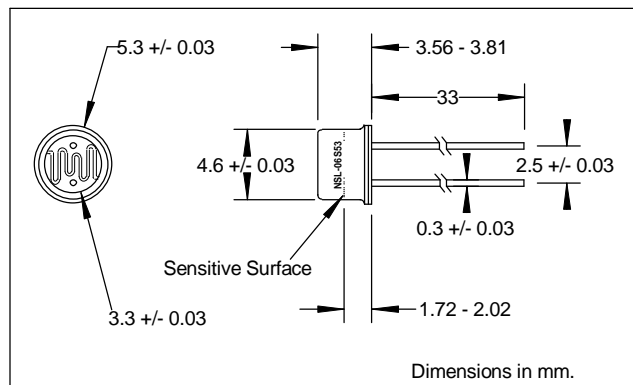
NSL-06S53
TO-18 Hermetic Photocell
 103856 Rev 01

Description

The NSL-06S53 is a Type 5 CdS photoconductive cell in a flat lens TO-18 package .

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
Soldering Temperature (3)	260°C



Electrical Characteristics ($T_A=25^\circ\text{C}$, and 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

- Notes: (1) derate linearly to zero at 75°C
 (2) cells light adapted at 30 to 50 Ftc for 16 hrs. minimum prior to electrical tests
 (3) $\geq 0.05''$ from case for < 10 sec.

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