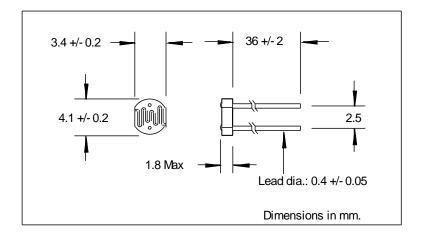
TO-18 Ceramic Package Photocell

NSL-5162



FEATURES

DESCRIPTION

APPLICATIONS

- Passive resistance output
- Ceramic package

The NSL-5162 is a light dependent resistor with sensitivity in the visible light region. The CdS photoconductive cell is on a TO-18 ceramic and the photocell surface is plastic encapsulated for moisture resistance.

Industrial

ABSOLUTE MAXIMUM RATING

(TA)= 23°C UNLESS OTHERWISE NOTED

SYMBOL	PARAMETER	MIN	MAX	UNITS
V_P	Voltage (peak AC or DC)		100	V
P_d	Power Dissipation @ 25°C (1)		50	mW
T _{Op}	Operating Temperature	-60	+75	°C
T _{Stg}	Storage Temperature	-60	+75	°C
Ts	Soldering Temperature (2)		+260	°C

Note:

- (1) Derate linearly to 0 at 75°C
- (2) > 0.05" from base for < 10 sec.
- (3) Cells light adapted at 30 to 50 Ftc for 16 hrs minimum prior to electrical tests.

RELIABILITY

Contact API for recommendations on specific test conditions and procedures.

ELECTRO-OPTICAL CHARACTERISTICS

(TA)= 23°C, UNLESS OTHERWISE NOTE

SYMBOL	CHARACTERISTIC	TEST CONDITIONS	MIN	TYP	MAX	UNITS
R_L	Light Resistance	2 ftc., 2854°K (3)	67	100	133	ΚΩ
		100 ftc., 2854°K (3)		3.0		ΚΩ
R_D	Dark Resistance	5 sec after removal of test light.	67			ΚΩ
λ_{P}	Spectral Peak			550		nm

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