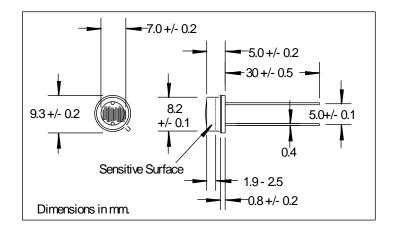
TO-5 Hermetic Photocell

API

NSL-4510



FEATURES

DESCRIPTION

APPLICATIONS

Passive resistance outputHermetic sealed

The NSL-4510 is a CdS photoconductive cell in a flat lens TO-5 hermetic package.

Industrial

ABSOLUTE MAXIMUM RATING

(TA)= 23°C UNLESS OTHERWISE NOTED

SYMBOL	PARAMETER	MIN	MAX	UNITS
V_P	Voltage (peak AC or DC)		120	٧
P_d	Power Dissipation @ 25°C (1)		200	mW
T _{Op}	Operating Temperature	-60	+75	Ç
T_{Stq}	Storage Temperature	-60	+75	Ç
T _S	Soldering Temperature (2)		+260	°C

Note:

- (1) Derate linearly to 0 at 75°C
- (2) >0.08" from case for <5 sec.
- (3) Cells light adapted at 30 to 50 Ftc for 16 hrs minimum prior to electrical tests.
- (4) Print "NSL-4510" and date code "YYWW".

RELIABILITY

Contact API for recommendations on specific test conditions and procedures.

ELECTRO-OPTICAL CHARACTERISTICS

(TA)= 23°C, UNLESS OTHERWISE NOTED

SYMBOL	CHARACTERISTIC	TEST CONDITIONS	MIN	TYP	MAX	UNITS
R_L	Light Resistance	1 ftc., 2854°K (3)	26	43	60	ΚΩ
		100 ftc., 2854°K		1		ΚΩ
R_D	Dark Resistance	5 sec after removal of test light.	2.5			МΩ
λ_{P}	Spectral Peak			515		nm