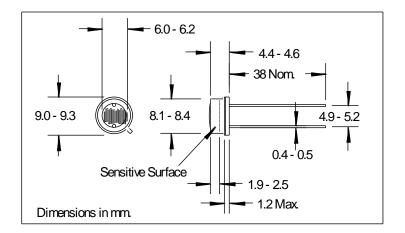
# TO-5 Hermetic Photocell

API

**NSL-5540** 



**FEATURES** 

#### **DESCRIPTION**

**APPLICATIONS** 

Passive resistance output

The NSL-5540 is a type 5 CdS photoconductive cell in a flat lens TO-5 hermetic package.

Industrial

Hermetic sealed

## **ABSOLUTE MAXIMUM RATING**

(TA)= 23°C UNLESS OTHERWISE NOTED

SYMBOL	PARAMETER	MIN	MAX	UNITS
$V_P$	Voltage (peak AC or DC)		125	V
$P_d$	Power Dissipation @ 25°C (1)		200	mW
T <sub>Op</sub>	Operating Temperature	-60	+75	°C
$T_{Stq}$	Storage Temperature	-60	+75	°C
T <sub>S</sub>	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-5540" 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	2 ftc., 2854°K (3)	20	30	40	ΚΩ
		100 ftc., 2854°K (3)		1		ΚΩ
$R_D$	Dark Resistance	5 sec after removal of test light.	20			МΩ
$\lambda_{P}$	Spectral Peak			550		nm