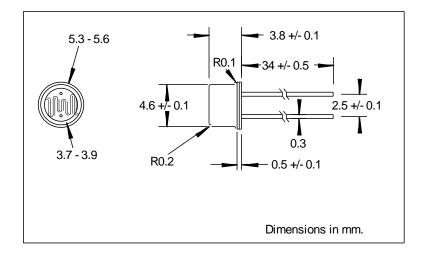


API

NSL-4140



FEATURES DESCRIPTION APPLICATIONS

- Type 5 photoconductive ma- The NSL-4140 is a Type 5 CdS photoconductive cell in a flat lens TO-18
 Industrial package
- Tolerance: ±40% @1 ftc, ±33% @ 2 ftc

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 case for <10 sec.
- (3) Cells light adapted at 30 to 50 Ftc for 16 hrs minimum prior to electrical tests.
- (4) Print "NSL-4140" 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)	8.4	14.0	19.6	ΚΩ
		100ftc., 2854°K, (3)		250		ΚΩ
R_D	Dark Resistance	5 sec after removal of test light.	800			ΚΩ
λ _P	Spectral Peak			550		nm