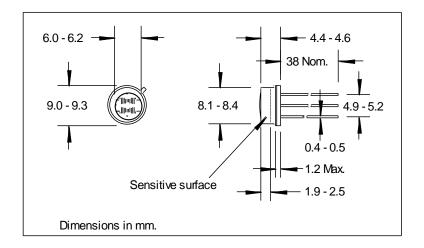


TO-5 Dual Element Hermetic Photocell

NSL-07-006



FEATURES

DESCRIPTION

APPLICATIONS

Passive resistance output

Hermetic sealed

The NSL-07-006 is a dual element type 5 CdS photoconductive cell in a flat lens TO-5 hermetic package.

LIOATION

Industrial

ABSOLUTE MAXIMUM RATING

(TA)= 23°C UNLESS OTHERWISE NOTED

SYMBOL	PARAMETER	MIN	MAX	UNITS
V_P	Voltage (peak AC or DC)		150	V
P_d	Power Dissipation @ 25°C (1)		60	mW
T _{Op}	Operating Temperature	-60	+75	°C
T_{Stq}	Storage Temperature	-60	+75	°C
Ts	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) ML is the percent difference between the photocell halves with the higher resistance used as the reference.
- (5) Print "NSL-07-005" 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)	10	20	30	ΚΩ
R_D	Dark Resistance	5 sec after removal of test light.	10			МΩ
λ_{P}	Spectral Peak			550		nm
M_L	Light Resistance Matching	(4)			20	%