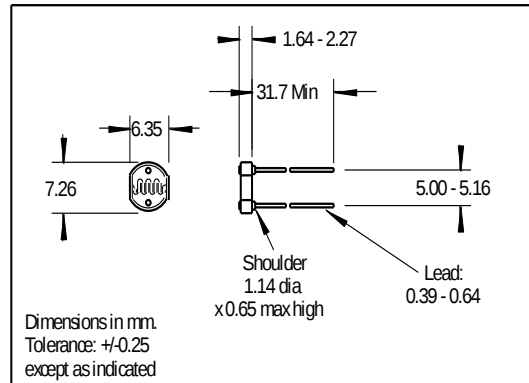




FEATURES

- Passive resistance output
- Ceramic package

DESCRIPTION

The NSL-4522 is a CdS photoconductive cell on a TO-5 ceramic substrate. The photocell is encapsulated with epoxy for moisture resistance.

APPLICATIONS

- Industrial

ABSOLUTE MAXIMUM RATING

(TA) = 23°C UNLESS OTHERWISE NOTED

SYMBOL	PARAMETER	MIN	MAX	UNITS
V_P	Voltage (peak AC or DC)		120	V
P_d	Power Dissipation @ 25°C (1)		125	mW
T_{Op}	Operating Temperature	-60	+75	°C
T_{Stg}	Storage Temperature	-60	+75	°C
T_S	Soldering Temperature (2)		+260	°C

Note:

- Derate linearly to 0 at 75°C
- >0.08" from case for <5 sec.
- 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 NOTED

SYMBOL	CHARACTERISTIC	TEST CONDITIONS	MIN	TYP	MAX	UNITS
R_L	Light Resistance	1 ftc., 2854°K (3)	11.2	18.6	26.0	K Ω
		100 ftc., 2854°K		400		Ω
R_D	Dark Resistance	5 sec after removal of test light.	15			M Ω
λ_P	Spectral Peak			550		nm