TO-5 Ceramic Photocell

NSL 4512

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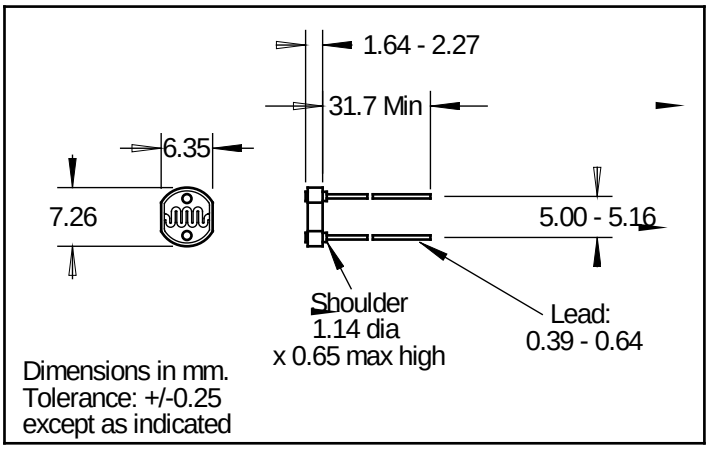
Precision – Control – Results



DESCRIPTION

The NSL-4512 is a CdS photoconductive cell on a TO-5 ceramic substrate. The photocell is encapsulated with epoxy for moisture resistance.

FEATURES

- Passive resistance output
- Ceramic package

RELIABILITY

Contact Luna for recommendations on specific test conditions and procedures.

APPLICATIONS

- Industrial

ABSOLUTE MAXIMUM RATINGS

SYMBOL	MIN		MAX	UNITS	
Voltage (peak AC or DC)	-	-	120	V	T_a = 23°C UNLESS OTHERWISE NOTED
Power Dissipation @ 25°C[1]	-	-	125	mw	-
Operating Temperature	-60	to	+75	°C	-
Storage Temperature	-60	to	+75	°C	-
Soldering Temperature[2]	-	-	+260	°C	-

NOTE:

1.Derate linearly to 0 at 75°C

2. >0.08" from base for < 10 sec.

Information in this technical datasheet is believed to be correct and reliable. However, no responsibility is assumed for possible inaccuracies or omission. Specifications are subject to change without notice.

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OPTO-ELECTRICAL PARAMETERS

T_a = 23°C UNLESS NOTED OTHERWISE

PARAMETER	TEST CONDITIONS	MIN	TYP	MAX	UNITS
Light Resistance	2 ftc., 2854°K [3]	67	100	133	KΩ
	100 ftc., 2854°K[3]	-	3.0	-	KΩ
Dark Resistance	5 sec after removal of test light	67	-	-	MΩ
Spectral Peak	-	-	550	-	nm

NOTE:

3. Cells light adapted at 30 to 50 Ftc for 16 hrs minimum prior to electrical tests.

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