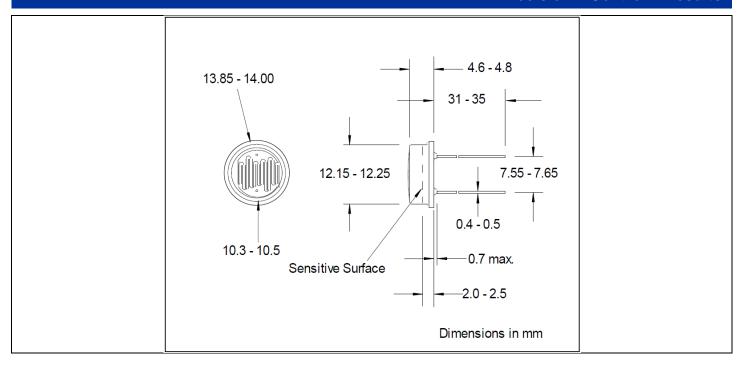


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DESCRIPTION

The NSL-6940 is a light dependent resistor with sensitivity from visible light region. The photocell is contained in a TO-8 hermetically sealed package.

RELIABILITY

Contact Luna for recommendations on specific test conditions and procedures.

FEATURES

- Passive resistance output
- Hermetic sealed

APPLICATIONS

• Industrial

ABSOLUTE MAXIMUM RATINGS

SYMBOL	MIN		MAX	UNITS	
Voltage (peak AC or DC)	-	-	250	V	T _a = 23°C UNLESS OTHERWISE NOTED
Power Dissipation @ 25°C ¹	-	-	500	mW	-
Operating Temperature	-60	to	+75	°C	-
Storage Temperature	-60	-	+75	°C	-
Soldering Temperature ²	-	-	+260	°C	-

NOTE:

- 1.Derate lineary to 0 at 75°C
- 2. >0.08" from base for <5 sec
- 3. Cells light adapted at 30 to 50 ftc. for 16hrs.minimum prior to electrical tests.
- 4. Print "NSL-6910" and date code "YYWW".

Specifications are subject to change without notice.



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OPTO-ELECTRICAL PARAMETERS

T_a = 23°C UNLESS OTHERWISE NOTED

PARAMETER	TEST CONDITIONS	MIN	TYP	MAX	UNITS
Light Desistance	2 ftc., 2854°K ³	1.0	1.5	2.0	ΚΩ
Light Resistance	100 ftc., 2854°K ³	-	150	-	Ω
Dark Resistance	5 sec. after removal of test light	1	-	-	ΜΩ
Spectral Peak	-	-	690	-	nm

NOTE:

- 1.Derate linearly to 0 at 75°C
- 2. >0.08" from base for <5 sec
- 3.Cells light adapted at 30 to 50 Ftc. for 16hrs.minumim prior to electrical tests.
- 4. Print "NSL-6510" and date code "YYWW".