



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.

FEATURES

- Passive resistance output
- Hermetic sealed

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)	-	-	250	V	$T_a = 23^{\circ}\text{C}$ UNLESS OTHERWISE NOTED
Power Dissipation @ 25°C ¹	-	-	500	mW	-
Operating Temperature	-60	to	+75	$^{\circ}\text{C}$	-
Storage Temperature	-60	-	+75	$^{\circ}\text{C}$	-
Soldering Temperature ²	-	-	+260	$^{\circ}\text{C}$	-

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. minimum prior to electrical tests.
4. Print "NSL-6910" and date code "YYWW".

OPTO-ELECTRICAL PARAMETERS

$T_a = 23^\circ\text{C}$ UNLESS OTHERWISE NOTED

PARAMETER	TEST CONDITIONS	MIN	TYP	MAX	UNITS
Light Resistance	2 ftc., 2854°K^3	1.0	1.5	2.0	$\text{K}\Omega$
	100 ftc., 2854°K^3	-	150	-	Ω
Dark Resistance	5 sec. after removal of test light	1	-	-	$\text{M}\Omega$
Spectral Peak	-	-	690	-	nm

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