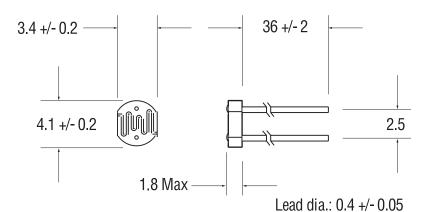


Light Dependent Resistor

Order code: **58-0128**

MPN: NSL 5112





Dimensions in mm.

Description:

A light dependent resistor with sensitivity in the visible light region. The CdS photoconductive cell is on a T0-18 ceramic and the photocell surface is plastic encapsulated for moisture resistance.

Features:

- Passive resistance output
- Ceramic package
- Lead free

Applications

Industrial

Absolute maximum rating

Symbol	Minimum		Maximum	Units	$T_a = 23$ °C unless noted otherwise			
Voltage (Peak AC or DC)	_	-	100	V	-			
Power Dissipation @ 25°C1	-	-	50	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. > 0.05" from base for < 10 sec.								

Opto-electrical parameters (T_a = 23°C unless noted otherwise)

Parameter	Test Conditions	Minimum	Typical	Maximum	Units			
Light Resistance	2 ftc., 2854°K ³	6	10	14	ΚΩ			
	100 ftc., 2854°K ³	-	700	_	Ω			
Dark Resistance	5 sec after removal of test light	670	-	_	ΚΩ			
Spectral Peak	-	-	550	-	nm			
NOTE: 3. Cells light adapted at 30 to 50 Ftc for 16 hrs. minimum prior to electrical tests								