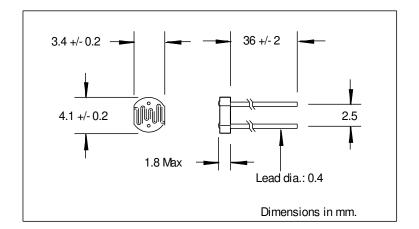
# TO-18 Ceramic Photocell

**NSL-19-018** 



### **FEATURES**

# **DESCRIPTION**

# **APPLICATIONS**

- Passive resistance output
- Ceramic substrate

The NSL-19-018 is a CdS light dependent resistor. It is plastic coated on front side of photocell for moisture resistance, the back side is not coated.

Industrial

### **ABSOLUTE MAXIMUM RATING**

(TA)= 23°C UNLESS OTHERWISE NOTED

PARAMETER	MIN	MAX	UNITS
Voltage (peak AC or DC)		100	V
Power Dissipation @ 25°C (1)		50	mW
Operating Temperature	-60	+75	°C
Storage Temperature	-60	+75	°C
Soldering Temperature (2)		+260	°C
	Voltage (peak AC or DC) Power Dissipation @ 25°C (1) Operating Temperature Storage Temperature	Voltage (peak AC or DC)  Power Dissipation @ 25°C (1)  Operating Temperature -60  Storage Temperature -60	Voltage (peak AC or DC)100Power Dissipation @ 25°C (1)50Operating Temperature-60+75Storage Temperature-60+75

#### Note:

- (1) Derate linearly to 0 at 75°C
- (2) >0.08" from case for <5 sec.
- (3) 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	2 ftc., 2854°K, (2)	9.0		15.0	ΚΩ
$R_D$	Dark Resistance	5 sec after removal of test light.	1.0			МΩ
λ <sub>P</sub>	Spectral Peak			550		nm