



# TO-8 Photocells

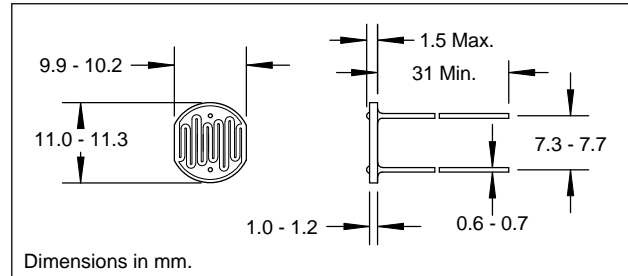
## Ceramic Package

### Features

- Three photoconductive materials
- Tolerance:  $\pm 40\%$  @ 1 ftc,  $\pm 33\%$  @ 2 ftc

### Description

The Silonex TO-8 series of photoconductive cells provide up to eight standard resistance ranges in CdS or CdSe materials. Most of these devices are also available in a hermetic package.



### Absolute Maximum Ratings

Operating & Storage Temperature     $-60^{\circ}\text{C}$  to  $+75^{\circ}\text{C}$   
 Power Dissipation @  $25^{\circ}\text{C}$  (1)        250 mW

### Electrical Characteristics ( $T_A=25^{\circ}\text{C}$ , source at 2854 K)

Silonex Part No	Sensitive Material	Spectral Peak (nm)	R @ 1 ftc (Kohms) (3)	R @ 2 ftc (Kohms) (3)	R <sub>TYP</sub> @ 100 ftc (ohms)	Min. R <sub>DARK</sub> (Kohms) (2)	V <sub>MAX</sub> (Volts) (peak AC or DC)
NSL-4912	Type 4 CdS	515	9.3		150	560	80
NSL-4922			4.0		80	250	80
NSL-4932			1.7		50	100	80
NSL-4942			0.725		30	50	80
NSL-4952			40		860	2400	320
NSL-4962			17		500	1000	320
NSL-4972			7.25		260	400	320
NSL-4982			114		2500	6800	320
NSL-5912	Type 5 CdS	550		1.5	150	100	170
NSL-5922				3.0	300	200	170
NSL-5932				6.0	500	400	250
NSL-5942				9.0	700	600	250
NSL-6922	Type 6 CdSe	690		0.510	50	300	170
NSL-6952				2.7	200	720	170

Specifications subject to change without notice.

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- Notes: (1) derate linearly to zero at  $75^{\circ}\text{C}$ .  
 (2) 5 sec. after removal of test light.  
 (3) cells light adapted at 30 to 50 ftc for 16 hrs minimum prior to electrical tests.

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