



TO-5 Photocells

Hermetic Package

Features

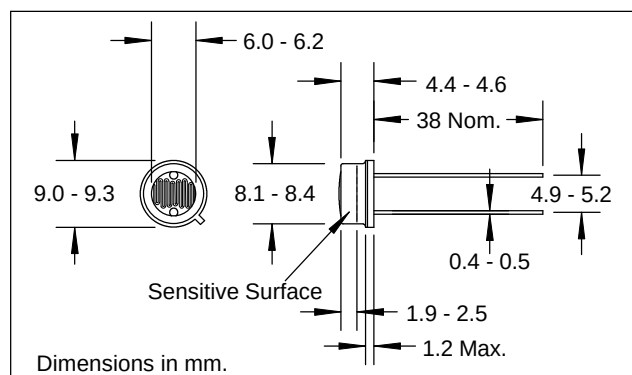
- Six Photoconductive Materials
- Tolerance: $\pm 40\%$ @ 1 ftc, $\pm 33\%$ @ 2 ftc

Description

The Silonex TO-5 series of photocells provide up to seven standard resistance ranges in CdS or CdSe materials.

Absolute Maximum Ratings

Operating & Storage Temperature -60°C to $+75^{\circ}\text{C}$
Power Dissipation @ 25°C (1) 200 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 _{TYP} @ 100 ftc (ohms)	Min. R _{DARK} (Mohms) (2)	V _{MAX} (Volts) (peak AC or DC)
NSL-3510	Type 3 CdSe	725		2.7	200	18	120
NSL-3520				5.4	300	36	120
NSL-3530				66	5,000	440	320
NSL-3540				132	10,000	880	320
NSL-4510	Type 4 CdS	515	43		1,000	2.5	120
NSL-4520			18.6		400	1.0	120
NSL-4530			8.0		230	0.40	120
NSL-4540			3.5		120	0.10	120
NSL-4550			330		8,000	20	320
NSL-4560			155		4,600	10	320
NSL-4570			65		3,800	4.0	320
NSL-5510	Type 5 CdS	550		3.3	300	0.22	120
NSL-5520				10	700	0.67	120
NSL-5530				165	10,000	11	320
NSL-5540				30	1,000	20	120
NSL-6510	Type 6 CdSe	690		0.60	50	0.40	120
NSL-6520				1.2	100	0.80	120
NSL-6530				30	2,000	20	320
NSL-7510	Type 7 CdS	615		2.7	250	0.45	120
NSL-7520				5.4	500	0.90	120
NSL-7530				10	500	6.7	120
NSL-7540				100	5,000	67	250
NSL-7550				600	20,000	400	320

Specifications subject to change without notice

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Notes: (1) derate linearly to zero at 75°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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