TO-18 Photocells

Hermetic Package

Features

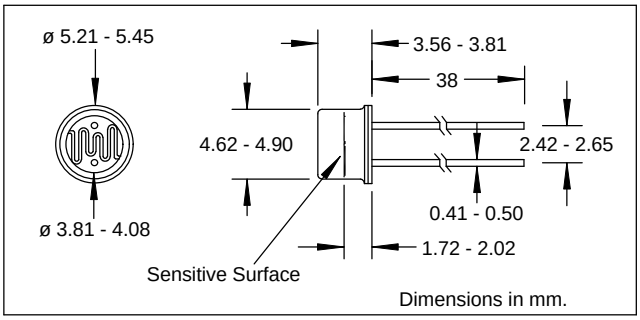
- Six Photoconductive Materials
- Tolerance: ±40% @1 ftc, ±33% @ 2 ftc

Description

The Silonex TO-18 hermetic flat lens package 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°C
Power Dissipation @ 25°C (1)	50 mW



Electrical Characteristics (T_A=25°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 (Kohms)	Min. R_{Dark} (Mohms) (2)	V_{MAX} (Volts) (peak AC or DC)
NSL-3110	Type 3 CdSe	725		6	0.45	40	100
NSL-3120				66	4	440	100
NSL-3130				133	9	880	250
NSL-4120	Type 4 CdS	515	75		1.3	4.5	80
NSL-4130			30		0.50	1.8	80
NSL-4140			14		0.25	0.80	80
NSL-4150			550		9	33	320
NSL-4160			260		4	15.6	320
NSL-4170			110		1.7	6.6	320
NSL-4180			50		0.90	3.0	160
NSL-5110	Type 5 CdS	550		10	0.70	0.67	100
NSL-5120				20	1.5	1.3	100
NSL-5130				84	5	5.6	100
NSL-5140				165	10	11	250
NSL-5150				15	0.40	10	60
NSL-5160				100	3	67	100
NSL-5170				700	20	467	100
NSL-6110	Type 6 CdSe	690		2	0.17	1.3	100
NSL-6120				4	0.30	2.6	100
NSL-6130				15	1	10	100
NSL-6140				30	2	20	250
NSL-7110	Type 7 CdS	615		6	0.35	1	100
NSL-7120				66	4	11	100
NSL-7130				132	8	22	250
NSL-7140				4.5	0.25	3	60
NSL-7150				24	1	16	100
NSL-7160				300	16	200	100

Specifications subject to change without notice

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Notes: (1) derate linearly to zero at 75°C
(2) 5sec. 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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