



NSL-3800, 4800 SERIES

TO-5 PHOTOCONDUCTIVE CELLS

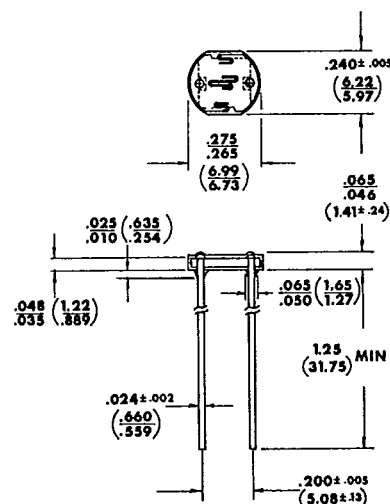
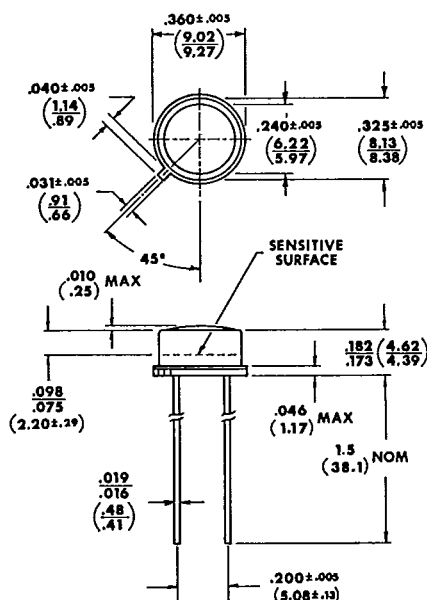
TO-5

Silonex Part No.	Sensitive Material	Rise Time (ms) Dark To 110% R_L (1)		Decay Time(ms) To 10x R_L (1)		Typical Temperature Coefficient (%/°C)		Typical Capacitance In Dark (pF)
		@ 1 Ftc	@ 100 Ftc	from 1 Ftc	from 100 Ftc	@ 1 Ftc	@ 100 Ftc	
NSL-3810	Type 3 CdSe	9.5	0.4	3.8	4.5	9	0.5	3
NSL-3820		9.5	0.4	4.5	5	7	0.4	3.3
NSL-3830		11	0.6	5.5	5.5	6	0.3	4
NSL-3840		11	0.8	11	6	5	0.3	5
NSL-3850		10	0.4	4.5	5	9	0.4	1.2
NSL-3860		13	0.6	7	5.5	7	0.3	1.6
NSL-3870		13	0.8	11	6	5	0.3	1.8
NSL-4810	Type 4 CdS	8	0.8	23	4.5	0.18	0.02	3.3
NSL-4820		9	1.0	30	10	0.2	0.01	3.8
NSL-4830		18	2.8	100	44	0.22	0.01	4.5
NSL-4840		20	3.6	290	85	0.08	0.03	5
NSL-4850		9	1	30	10	0.2	0.01	1
NSL-4860		18	2.8	100	44	0.2	0.01	1
NSL-4870		20	3.6	290	85	0.08	0.03	1.3

(1) R_L = Photocell resistance under given illumination

MEASUREMENT DATA: Cells light adapted at 30 - 50 Ftc for 16 hours minimum prior to test. All measurements conducted at 25°C ambient, 2854° K.

Dark resistances measured 15 seconds after removal of room light (30 - 50 Ftc). Power derating: Linearly to 65°C for Type 3 and linearly to 75°C for Type 4.



Part Number Coding

NSL - 4810

3 - Type 3 CdSe

4 - Type 4 CdS

0 - Hermetic package

2 - Plastic encapsulated cell

TO-5 size

Resistance Range