Revisions			
Revision	Date	ECN	Description
0	19-Oct-00		First release
1	17-Apl-01	690	Color Temperature added
2	22-Sept-02		Spectral response and R-on vs Ftc. Were added.
3	08-Feb-05		Ftc to Lux conversion was added to output resistance curve
4	10-Sep-08		Cap & Base changed

SILONEX inc

DRAWN: Yat Lee

CHK:

APPRVL:

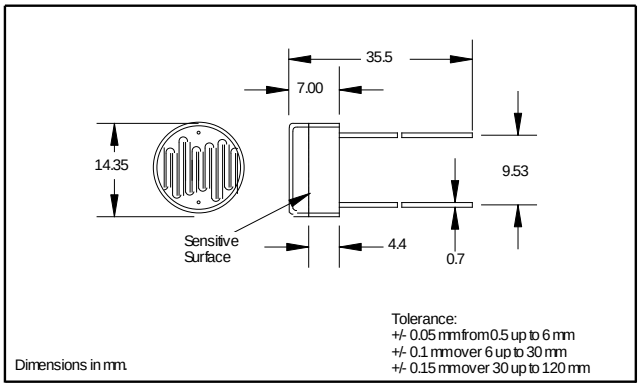
TITLE:

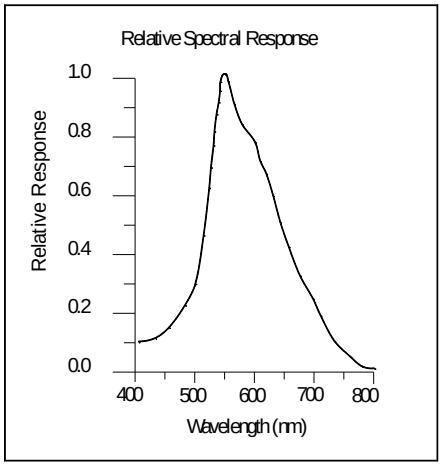
Data Sheet, NORPS-12, CdS Photocell

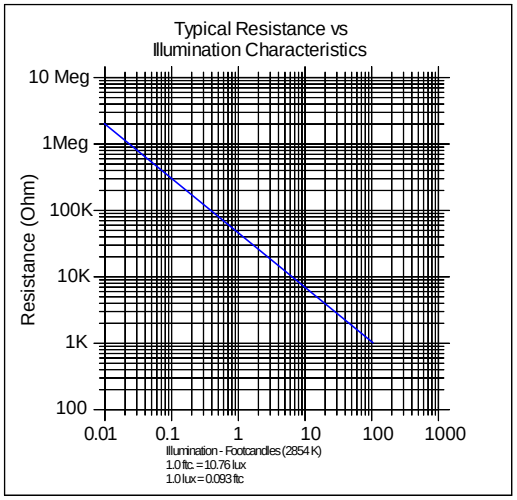
SCALE:	DATE:	SIZE:	DWG NO:	REV	SHEET
NONE	**17-Apr-01**	**A**	**104510**	**4**	**1 OF 2**

NORPS-12

Plastic Packaged CdS Photocell
104510 Rev 04







Description

The NORPS-12 is a CdS photoconductive cell with a spectral response similar to that of the human eye, encapsulated in a moisture-resistant coating and enclosed in a plastic casing.

Absolute Ratings Maximum

Operating Temperature	-60 to +75°C
Storage Temperature	-60 to +75°C
Voltage (peak AC or DC)	250 Volts
Power Dissipation at 30°C (1)	250mW

Electrical Characteristics (T_A=25°C, source at 2854°K)

Symbol	Parameter	Min.	Typ.	Max.	Units	Test Conditions
R_L	Light Resistance	5.4		12.6	kΩ	1 ftc. (2)
R_D	Dark Resistance	1.0			MΩ	15 sec. after removal of test light.
λ_P	Spectral Peak		550		nm	

Specifications subject to change without notice

Notes: (1) Derate linearly to zero at 75°C.
(2) Cells light adapted at 30 to 50 Ftc for 16 hrs minimum prior to electrical tests.

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