

Photoconductive Cells CdS

P/N: CDS001-8003

■ Features

- Epoxy Encapsulated.
- Small Dimensions.
- Operating Temperature -25°C~+75°C.

■ Applications

- Contrast Control in TV Sets.
- Auto Flash for Cameras.
- Room Light Control.
- Electronic Toys.
- Industrial Controls.

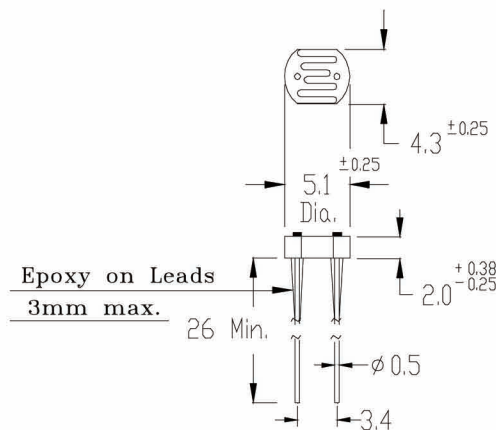
■ Absolute Maximum Ratings

Parameter	Symbol	Rating	Units
Continuous power dissipation derate above 25°C	Pd	125	mW
Maximum Voltage	Vmax	150	Vpeak
Temperature range (Operating and Storage)	Ta	-25~+75	°C

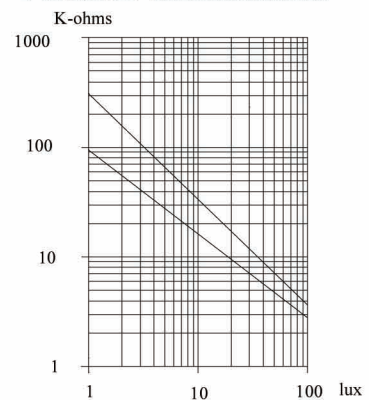
■ Electrical Characteristics (at 25°C)

Parameter	Symbol	Min.	Typ.	Max.	Units
Resistance @ 10 Lux, 2850 K	R _L	16		33	KΩ
Dark Resistance (10 sec. after removal of 10 Lux)	R _D	0.5			MΩ
Sensitivity	$\frac{\text{Log}(R_{10}/R_{100})}{\text{Log}(100/10)}$		0.7		
Peak Spectral Response	λ		580		nm

■ Dimensional Outline (Unit: mm)



■ Typical Resistance vs. Variable Illumination



Released	Approved	Checked	Drawn	REVISION
				D May 09, 2005