

# AGI

## Photoconductive Cells CdS

### P/N: AGI- 8001

#### ■ 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.

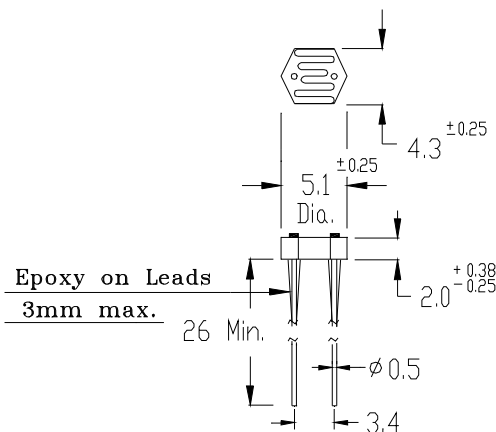
#### ■ Absolute Maximum Ratings

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

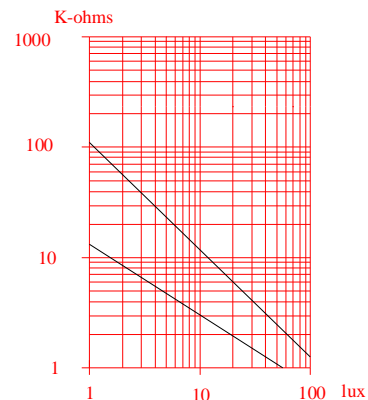
#### ■ Electrical Characteristics (at 25°C)

Parameter	Symbol	Min.	Typ.	Max.	Units
Resistance @ 10 Lux, 2850 K	R <sub>L</sub>	3		11	KΩ
Dark Resistance (10 sec. after removal of 10 Lux)	R <sub>D</sub>	0.2			MΩ
Sensitivity	$\frac{\text{Log}(R_{10}/R_{100})}{\text{Log}(100/10)}$		0.6		
Peak Spectral Response	λ		570		nm

#### ■ Dimensional Outline (Unit: mm)



#### ■ Typical Resistance vs. Variable Illumination



Released	Approved	Checked	Drawn	REVISION
				B Feb 25, 2000