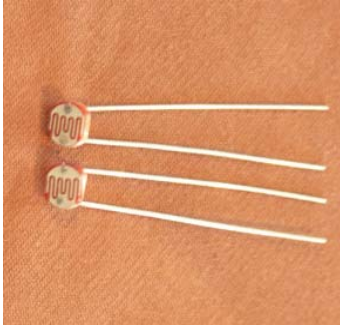


CdS PHOTOCONDUCTIVE CELLS

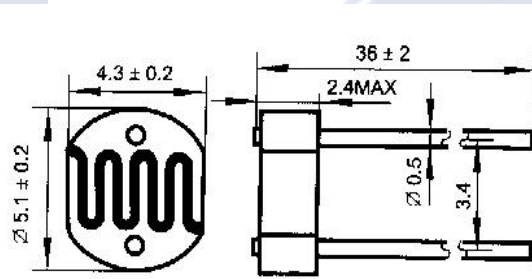
GL5549



- ▲ Epoxy encapsulated
- ▲ Quick response
- ▲ Small size
- ▲ High sensitivity
- ▲ Reliable performance
- ▲ Good characteristic of spectrum

Light Resistance at 10Lux (at 25°C)	45~140KΩ
Dark Resistance at 0 Lux	10MΩ(min)
Gamma value at 100-10Lux	0.8
Power Dissipation(at 25°C)	100mW
Max Voltage (at 25°C)	150V
Spectral Response peak (at 25°C)	540nm
Ambient Temperature Range:	- 30~+70°C

Outline

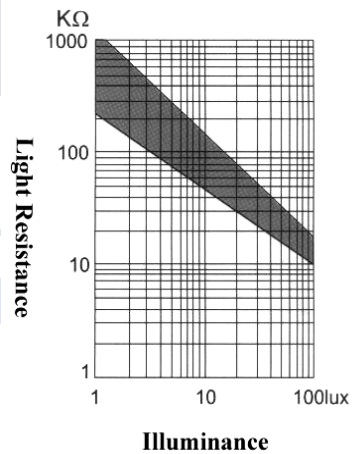


Measuring Conditions

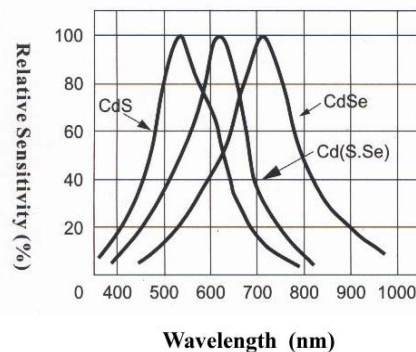
1. Light Resistance: measured at 10 lux with standard light A (2854k color temperature) and 2h pre-illumination at 400-600 lux prior to testing.
2. Dark Resistance: measured 10 seconds after pulsed 10 lux.
3. Gamma Characteristic: between 10 lux and 100 lux and given by

$$T = \frac{\log(R_{10}/R_{100})}{\log(100/10)} = \log(R_{10}/R_{100})$$
 R₁₀, R₁₀₀ cell resistance at 10 lux and 100 lux.
The error of T is +0.1.
4. P_{max}: Max. power dissipation at ambient temperature of 25°C.
5. V_{max}: Max. voltage in darkness that may be applied to the cell continuously.

Illuminance Vs. Photo Resistance



Spectral Response



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