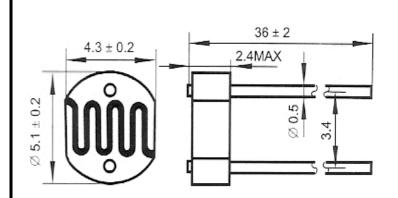
MINIATURE CADMIUM SULPHIDE PHOTOCONDUCTIVE CELL



FEATURES

- Miniature open frame package
- Epoxy coated
- Moisture resistant
- Spectral response similar to the human eye
- Applications include dusk-dawn lighting control

LIGHT DEPENDENT RESISTOR



Dimensions in millimetres

SPECIFICATION AND PERFORMANCE

Model	Vmax (VDC)	Pmax (mW)	Ambient temp(°C)	Spectral peak (nm)	Light Resistance at 10Lux (KΩ)	Dark Resistance (MΩ)	Gamm a value at 100- 10Lux	Response Time (ms)	
								Rise Time	Decay time
GL5537-1	150	90	-30~+70	540	20-30	5	0.7	30	30

Measuring Conditions

1. Light resistance:

Measured at 10 Lux with standard light A (2854K color temperature) and 2hr illumination at 400-600 lux prior to testing.

2. Dark Resistance:

Measured 10 senconds after closed 10 lux.

3. Gamma Characteristic:

Between 10 lux ande 100 lux and given by y = lg(R10/R100)

R10 R100 Cell resistance at 10 lux and 100 lux

The error of γ is \pm 0.1.

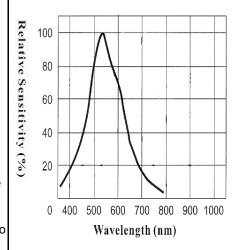
4. Pmax:

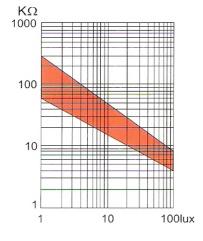
Max. power dissipation at ambient temperature of 25 $^{\circ}\mathrm{C}\,.$

5. Vmax:

Max. voltage in darkness that may be applied to the cell continuously.

Spectral Response





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