

# GL3637

## 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

CDS 光敏电阻尺寸图  $\phi 3$  系列

单位: mm



Dimensions in millimetres

### SPECIFICATION AND PERFORMANCE

Model	Vmax (VDC)	Pmax (mW)	Ambient temp(°C)	Spectral peak (nm)	Light Resistance at 10Lux (K $\Omega$ )	Dark Resistance (M $\Omega$ )	Gamma value at 100-10Lux	Response Time (ms)	
								Rise Time	Decay time
GL3637	90	100	-30~+70	540	20-30	3	0.7	20	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 seconds after closed 10 lux.

#### 3. Gamma Characteristic:

Between 10 lux and 100 lux and given by  $\gamma = \lg(R_{10}/R_{100})$

R<sub>10</sub>、R<sub>100</sub> Cell resistance at 10 lux and 100 lux.

The error of  $\gamma$  is  $\pm 0.1$ .

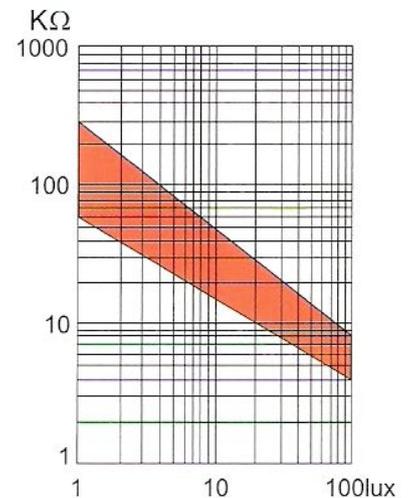
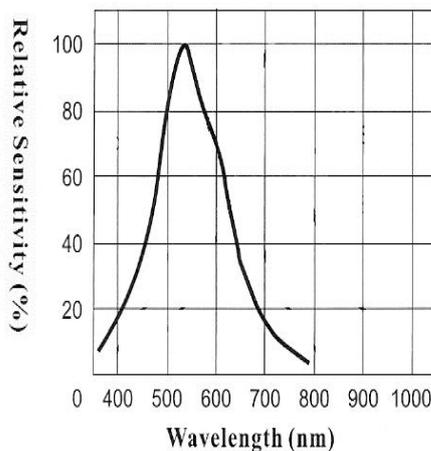
#### 4. Pmax:

Max. power dissipation at ambient temperature of 25 °C.

#### 5. Vmax:

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

### Spectral Response



照度-阻值特性图