

# 晶创和立科技

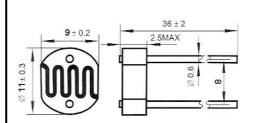
## MINIATURE CADMIUM SULPHIDE PHOTOCONDUCTIVE CELI



## **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)	Resistance	Gamm a value at 100- 10Lux	Response Time (ms)	
								Rise Time	Decay time
GL11516	250	200	-30~+70	540	5-10	0.5	0.6	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 senconds after closed 10 lux.

#### 3. Gamma Characteristic:

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

R10 R100 Cell resistance at 10 lux and 100 lux.

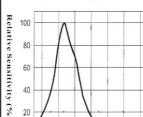
The error of  $\gamma$  is  $\pm$  0.1.

### 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.



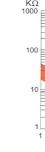
0 400 500 600 700 800 900 1000

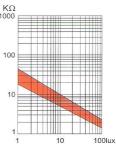
Wavelength (nm)

40

20

Spectral Response





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