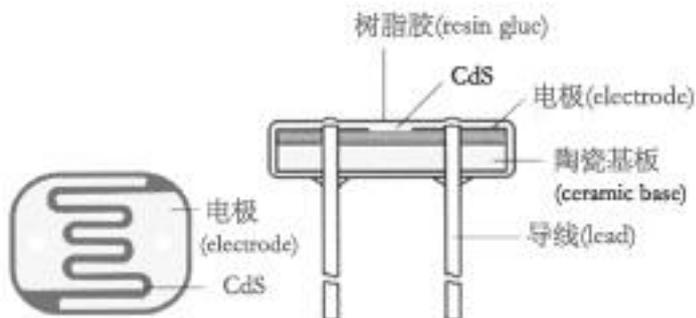


### GL4547-1 Photoresistor

#### Schematic Drawing



#### Performances and Features

- Coated with epoxy
- Small volume
- Quick response
- Good reliability
- High sensitivity
- Good spectrum characteristic

#### Typical Applications

- Camera automation photometry
- Indoor sunlight control
- Industrial control
- Optical control lamp
- Photoelectric control
- Annunciator
- Optical control switch
- Electronic toy

#### Standard Type and Specifications

Specification	Type	Maximum Voltage	Maximum power	Environmental temperature	Spectrum peak value
	GL4547-1	150	50	-30~+70	540

Specification	Light resistance (10Lux) (KΩ)	Dark resistance (MΩ)	$\gamma_{10}^{100}$	Response time (ms)		Illuminance resistance characteristic
				Increase	Decrease	

	50-100	5	0.8	30	30	6
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Testing Conditions

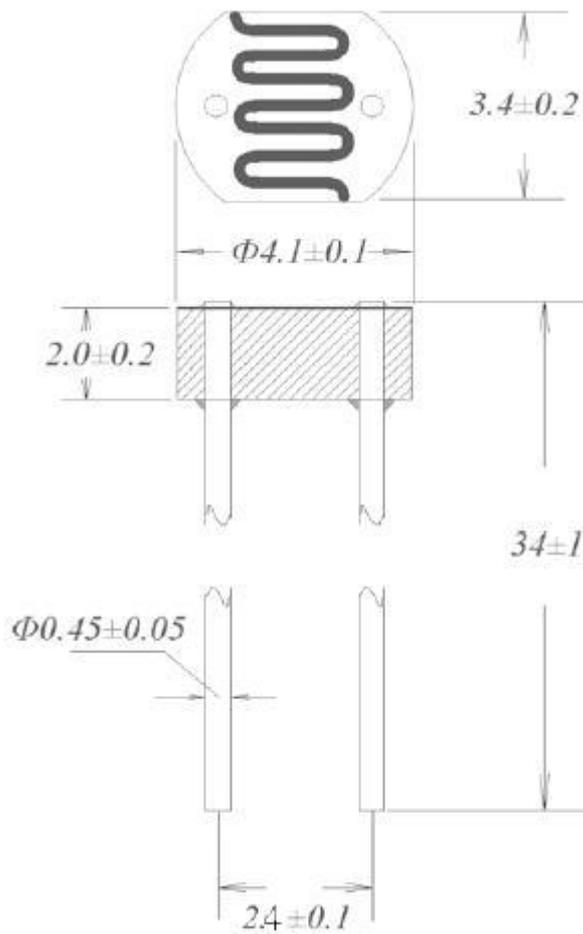
**Max external voltage:** Maximum voltage to be continuously given to component in the dark.

**Max power consumption:** Maximum power at the environmental temperature 25°C.

**Light resistance** Irradiate by 400-600Lux light for two hours, then test with 10Lux under standard light source A(as colour temperature 2856K)

**Dark resistance** Refer to the resistance value ten seconds after the 10Lux light is shut up.

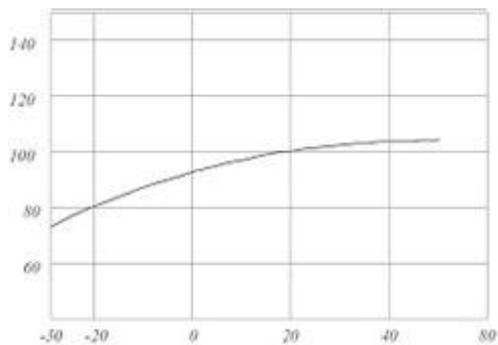
Main Characteristics Curve and Dimensions



外形尺寸圖 單位：mm

Specification unit: mm

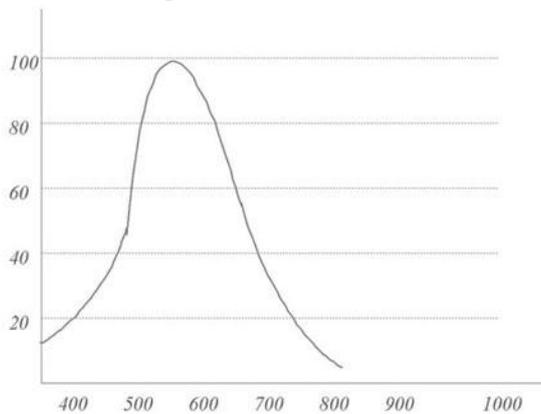
Relative Resistance (%)



Temperature (°C)

Temperature-Property

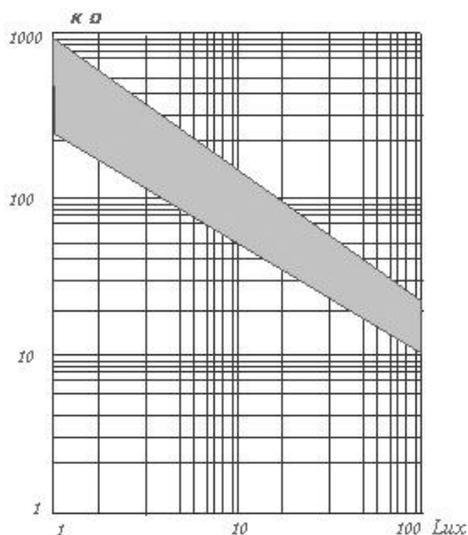
Relative Response (%)



Wavelength λ (nm)

Spectrum Response Characteristic

**Illuminance-Resistance Characteristics Curve**



## Packaging and Notice

This product is packed with the environmental protection material, Small package have 100PCS, and big package have 1000PCS.

Avoid storing CdS in wet or high temperature environment.

Soldering time is as short as possible.

It is recommended that the welding length of the CdS's down-lead should not be less than 4mm.



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