

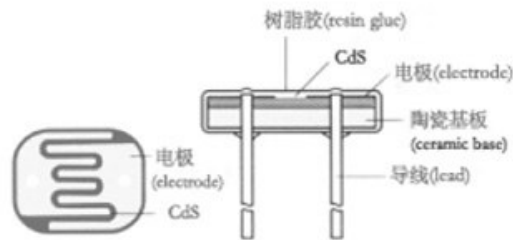
**Name:** CdS Photoresistor

**ID:** φ3

### Detail

Photoresistor is a resistor which made of semi-conductor material, and the conductance changes with luminance variation. The photoresistor can be manufactured with different figures and illuminated area based on this characteristic. Photoresistor is widely used in many industries, such as toys, lamps, camera, etc.

### Schematic Drawing



### Performances and Features

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

### Typical Applications

Camera automatic photometry	Photoelectric control
Indoor ray control	Annunciator
Industrial control	Light control switch
Light control lamp	Electronic toy

### Types and Specifications

Specification	Type	Max. Voltage	Max. power	Environmental temp.	Spectrum peak value	
φ3 series	GL3516	100	50	-30~+70	540	
	GL3526	100	50	-30~+70	540	
	GL3537-1	100	50	-30~+70	540	
	GL3537-2	100	50	-30~+70	540	
	GL3547-1	100	50	-30~+70	540	
	GL3547-2	100	50	-30~+70	540	
Specification	Light resistance (10Lux) (KΩ)	Dark resistance (MΩ)	$\gamma_{10}^{100}$	Response time (ms)		Illuminance resistance Fig. No.
				Increase	Decrease	
φ3 series	5-10	0.6	0.5	30	30	2
	10-20	1	0.6	30	30	3
	20-30	2	0.6	30	30	4
	30-50	3	0.7	30	30	4
	50-100	5	0.8	30	30	6
	100-200	10	0.9	30	30	6