

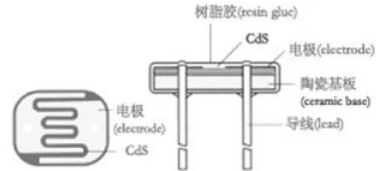
Name:CdS Photoresistor

ID:φ20

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	
φ 20 series	GL20516	500	500	-30~+70	560	
	GL20528	500	500	-30~+70	560	
	GL20537-1	500	500	-30~+70	560	
	GL20537-2	500	500	-30~+70	560	
	GL20539	500	500	-30~+70	560	
Specification	Light resistance (10Lux) (KΩ)	Dark resistance (MΩ)	γ_{10}^{10}	Response time (ms)		Illuminance resistance Fig. No.
				Increase	Decrease	
φ 20 series	5-10	1	0.6	30	30	3
	10-20	2	0.6	30	30	3
	20-30	3	0.7	30	30	4
	30-50	5	0.7	30	30	4
	50-100	8	0.8	30	30	6