

Small Size 50-100k Ohm 4mm Photo CDS Cell Light Resistance



Resistance:	Sensitive Resistor
Function for Resistance:	CDS Photoresistor
Installation:	DIP Resistor
Material:	Ceramic and Metal
Packaging:	Through Hole
Type:	Photoresistor

Product Description

Small size 50-100k ohm light resistance 4mm photo CDS cell (MJ45 Series)

Specifications

CDS Photoconductive Cell

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.

Performances and Features

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

Typical Applications

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

Technical parameter for 5mm photocell sensor

Specification	Type	Max Voltage (VDC)	Max power (mw)	Environmental temperature	Spectrum peak value (nm)
φ4 series	MJ4516	150	50	-30~+70°C	540
	MJ4517	150	50	-30~+70°C	540
	MJ4528	150	50	-30~+70°C	540
	MJ4537	150	50	-30~+70°C	540
	MJ4539	150	50	-30~+70°C	540
	MJ4549	150	50	-30~+70°C	540

Specification	Light resistance (10Lux) (K Ω)	Dark resistance (M Ω)	r100/10	Response time (ms)		Illuminance resistance characteristic
				Increase	Decrease	
ϕ 4 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