



Safety CDS Photoresistor 1mm GM3528 Bright Resistance 10-20KΩ Dark Resistance 1MΩ

Our Product Introduction

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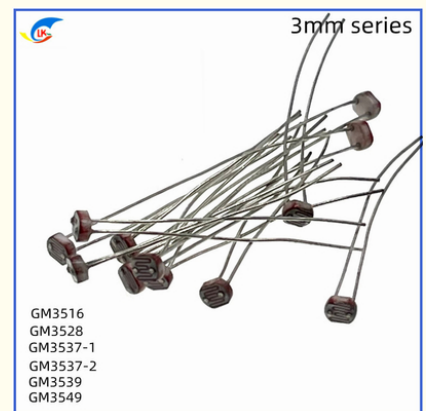
Basic Information

- Place of Origin: Dongguan,Guangdong,China
- Brand Name: LINKUN
- Model Number: Photoresistor 3528
- Minimum Order Quantity: Negotiate
- Price: Negotiate
- Packaging Details: Negotiate
- Delivery Time: 6-10 days
- Payment Terms: L/C, D/P, T/T, Western Union, MoneyGram
- Supply Ability: 100,000 0pieces/month



Product Specification

- Product Name: Light Dependent Resistor
- Product Name: Photoresistor 12MM
- Model: GM3528
- Lead Length: 3mm
- Spectrum Peaknm: 540 Nm
- Bright Resistance: 10-20kΩ
- Dark Resistance: 1MΩ
- Response Time(ms): Rise20ms Decline30ms
- Max VoltageVDC: 100VDC
- Environment Temperature°C: -30~+70°C
- Max Power Consumptionmw: 50nmw



More Images



Product Description

CdS Series Photoresistor 3MM GM3528 Bright Resistor 10-20kΩ Suitable For Indoor Light Control Light Control Lights



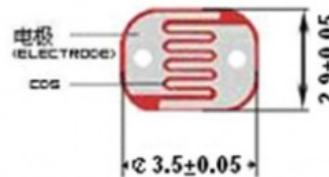
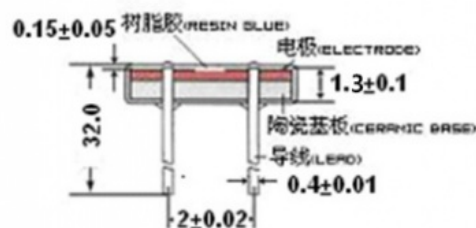
Good safety
Small volume
High reliability

Epoxy resin encapsulation,
high sensitivity and long life

CdS series photoresistor 3MM

A photoresistor is a resistor made of semiconductor material, and its resistivity changes with changes in illumination. In order to achieve the purpose of light control and light measurement, the electronic industry uses this characteristic to make photoresistor products with different shapes and light-receiving areas. This product is widely used in toys, lamps, photography and other industries.

Product Description:



Performance and characteristics

- | | |
|-------------------------|-------------------------------|
| Epoxy resin package has | Good reliability |
| Small size | High sensitivity |
| Fast reaction speed | Good spectral characteristics |

Scope of application

- | | |
|---|-------------------------|
| The camera automatically measures light | Photoelectric control |
| Indoor light contro | Alarm apparatus |
| Industrial control | Light-controlled switch |
| Electronic toy | Light control lights |

Model and specification

Specification	Model	Max VoltageVDC	Max Power consumptionmw	Environment temperature°C	Spectrum peak nm	Bright resistor(10Lux) KΩ	Dark resistance≥ MΩ	y10 0 10	Response time(ms)		Illuminance characteristic diagram number
									Ri	se	
Φ3series	GM3 516	100	50	- 30~+70	540	5-10	0.2	0.5	30	30	1
	GM3 528	100	50	- 30~+70	540	10-20	1	0.6	30	30	2
	GM3 537-1	100	50	- 30~+70	540	20-30	2	0.6	30	30	3
	GM3 537-2	100	50	- 30~+70	540	30-50	3	0.7	30	30	3
	GM3 539	100	50	- 30~+70	540	50-100	5	0.8	30	30	5
	GM3 549	100	50	- 30~+70	540	100-200	10	0.9	30	30	5

Test condition

Maximum applied voltage: the maximum voltage that can be continuously applied to a component in the dark;

Dark resistance: resistance value of 10 seconds after 10Lux illumination is turned off;

Maximum power consumption: the maximum power consumption when the ambient temperature is 25°C;

Bright resistance: After 2 hours of irradiation with 400-600Lux, the test value under 10Lux light of standard light source (color temperature 2854K);

Gamma value: The logarithm of the ratio of the standard resistance value at 10Lux and 100Lux.

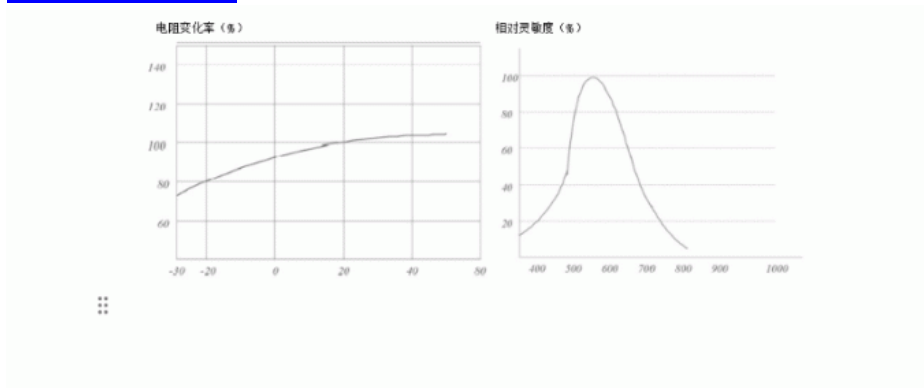
Lg (R10/R100)

Gamma = =Lg(R10/R100)

Lg (100/10)

R10 and R100 are resistance values of 10Lux and 100Lux illumination respectively (tolerance of γ is ±0.1)

Main characteristic curve



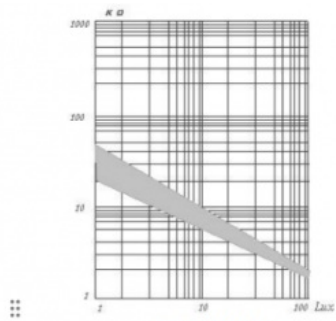


图 1 GM3516

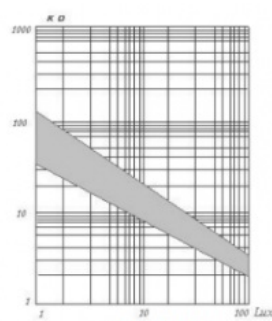


图 2 GM3528

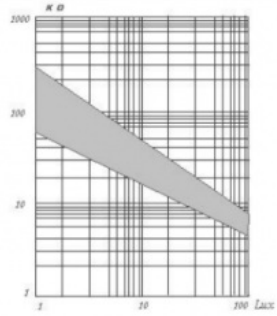


图 3 GM3537-1

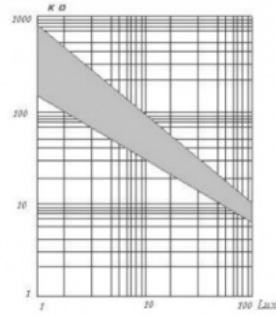


图 4 GM3537-2

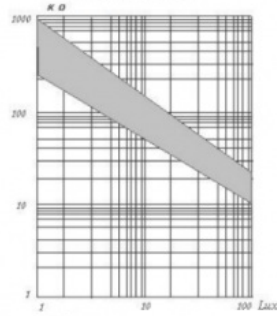


图 5 GM3539

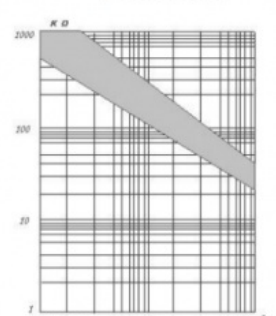


图 6 GM3549

Matters needing attention

1. This product is packed with environmentally friendly materials, 50 pieces of small packaging, 200 pieces of large packaging;
2. Avoid storing the product in humid and high temperature environment;
3. It should be stored in a non-erosive gas, otherwise it will lead to oxidation of the tin layer and decrease of weldability. Therefore, after opening the package should be used as soon as possible
4. Working environment humidity $\leq 95\%$
5. Welding time as short as possible; Soak the tin liquid (Sn63 Pb37) at 230°C to 5mm away from the CdS photoresistor body, and maintain 3-5s.
6. Note that the lead welding position should be more than 4mm away from the ceramic base.

Features:

Product Name: **Light Dependent Resistor**

Power consumptionmw: **90**

Lead Length: **5mm**

Dark resistance: **0.2MΩ**

Max VoltageVDC: **150 V**

Response time(ms): **Rise30ms Decline30ms**

Special Feature: **5mm series photoresistor, Light-Sensitive Resistor**

Technical Parameters:

Parameter	Value
Model	GM5506
Dark resistance	0.2MΩ
Max VoltageVDC	150 V
Response time(ms)	Rise30ms Decline30ms
Power consumptionmw	90
Bright resistor(10Lux)	2-5KΩ

Lead Length	5mm
Spectrum peaknm	540
Environment temperature°C	-30~+70°C
Product Name	Light Dependent Resistor

Applications:

The **Linkun 5506 Photoresistor** is a 5mm series photoresistor, part of the GM55 series. It is a light-sensitive resistor, designed to detect the intensity of light in its surroundings. It is perfect for use in a variety of applications, such as light-sensing alarm systems, automatic switching systems, and other optoelectronic devices. With its spectrum peak of 540 nm and power consumption of only 90 mW, the Linkun 5506 provides excellent performance in low-power and low-light settings. It is also capable of responding to changes in light intensity within 30ms. It has a bright resistor of (2-5) KΩ, and can be used in environments with temperatures ranging from -30°C to +70°C.

Customization:

Welcome to LINKUN Customized Light Dependent Resistor Service! We provide 12mm series photoresistor, 5mm series photoresistor and 3mm series photoresistor. The specific product is Model Number: Photoresistor 5506, Brand Name: LINKUN, Place of Origin: Dongguan, Guangdong, China, Lead Length: 5mm, Environment temperature°C: -30~+70°C, Spectrum peaknm: 540, Dark resistance: 0.2MΩ, Bright resistor(10Lux): (2-5)KΩ. Enjoy our service!

Support and Services:

Light Dependent Resistor Technical Support & Service

Our team provides comprehensive technical support and service for light dependent resistor products. Our team of highly-skilled engineers can help you troubleshoot any issues you may have with your device, and provide the most up-to-date advice on the configuration and use of your light dependent resistor.

We provide both online and telephone support for our customers, as well as a detailed knowledge base with answers to the most commonly asked questions related to light dependent resistor products. We also offer on-site services to assist with the installation and maintenance of your device.

For more information on our light dependent resistor technical support and service, please contact us at the details provided below.

Packing and Shipping:

Packaging and Shipping

Light dependent resistors are typically packaged in small plastic or metal cases and shipped in small boxes.

The cases should be properly sealed to protect the components from damage or contamination during shipping.

The boxes should be properly labeled with the shipping address and any special instructions for handling or shipping the components.

FAQ:

Q: What is the brand name of the Light Dependent Resistor?

A: The Light Dependent Resistor is branded as LINKUN.

Q: What is the model number of the Light Dependent Resistor?

A: The model number of the Light Dependent Resistor is 5506.

Q: Where is the Light Dependent Resistor produced?

A: The Light Dependent Resistor is produced in Dongguan, Guangdong, China.

Q: What is the function of the Light Dependent Resistor?

A: The Light Dependent Resistor is a type of resistor that changes its resistance with the intensity of the light that falls on it.

Q: What is the range of resistance of the Light Dependent Resistor?

A: The Light Dependent Resistor has a range of resistance from 0 ohms to infinity.



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