



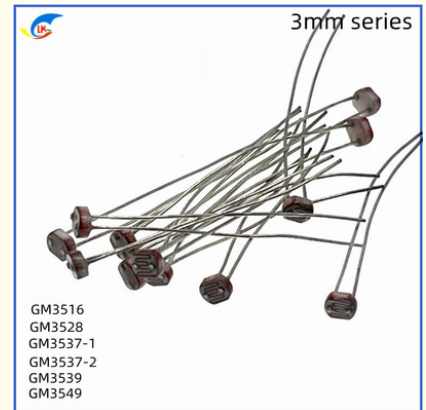
50nmw Light Dependent Resistor CDS Photoresistor 3mm GM3516 Voltage 100V

Our Product Introduction

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Basic Information

- Place of Origin: Dongguan,Guangdong,China
- Brand Name: LINKUN
- Model Number: Photoresistor 3516
- 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
- Lead Length: 3mm
- Model: GM3516
- Max VoltageVDC: 100 V
- Power Consumptionmw: 50 Nmw
- Bright Resistor(10Lux): 5-10 KΩ
- Dark Resistance: 1MΩ
- Spectrum Peaknm: 540
- Response Time(ms): Rise30ms Decline30ms
- Highlight: **50nmw Light Dependent Resistor,**
3mm Light Dependent Resistor



More Images



Product Description

CDS photoresistor Φ 3mm GM3516 bright resistance 5-10K Ω voltage 100V Suitable for toys, lamps, cameras and other industries.

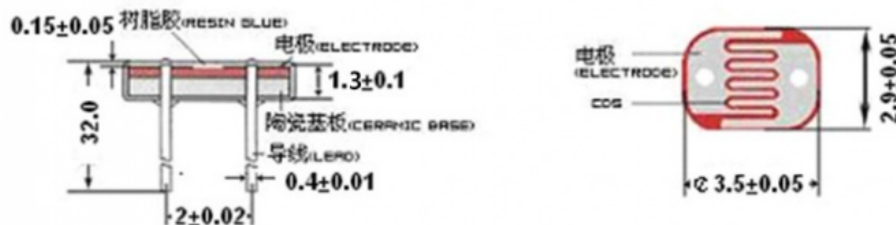


GM35 series photoresistor

A photoresistor is a resistor made of a semiconductor material whose conductivity changes linearly as the illuminance changes. Photoresistor is widely used in toys, lamps, cameras and other industries.

Structure diagram

Unit: mm



Performance and characteristics

Epoxy resin package has
Small size
Fast reaction speed

Good reliability
High sensitivity
Good spectral characteristics

Scope of application

The camera automatically measures light
Indoor light control
Industrial control
Electronic toy

Photoelectric control
Alarm apparatus
Light-controlled switch
Light control lights

Model and specification

Specification	Model	Max Voltage VDC	Max Power consumptionmw	Environment temperature°C	Spectrum peak nm	Bright resistor(10Lux) K Ω	Dark resistance \geq M Ω	y10 0 10	Response time(ms)	Illuminance characteristic diagram number
									Rise	

Φ3series	GM3 516	100	50	- 30~+7 0	540	5-10	0.2	0.5	30	3 0	1
	GM3 528	100	50	- 30~+7 0	540	10-20	1	0.6	30	3 0	2
	GM3 537- 1	100	50	- 30~+7 0	540	20-30	2	0.6	30	3 0	3
	GM3 537- 2	100	50	- 30~+7 0	540	30-50	3	0.7	30	3 0	3
	GM3 539	100	50	- 30~+7 0	540	50-100	5	0.8	30	3 0	5
	GM3 549	100	50	- 30~+7 0	540	100- 200	10	0.9	30	3 0	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.

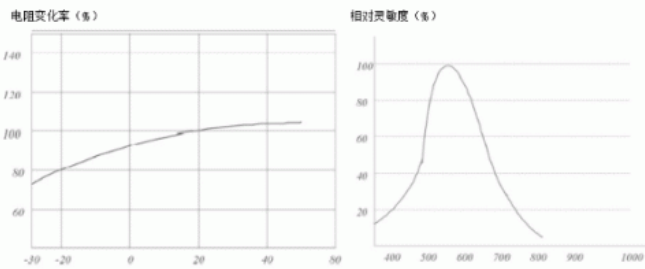
Lg (R10/R100)

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



⋮

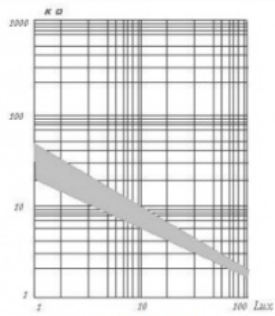


图 1 GM3516

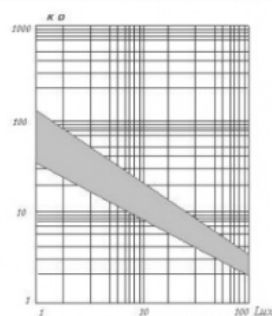


图 2 GM3528

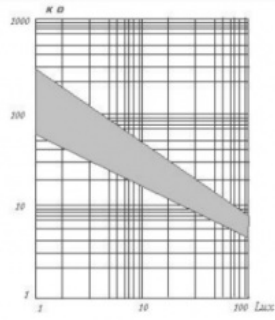


图 3 GM3537-1

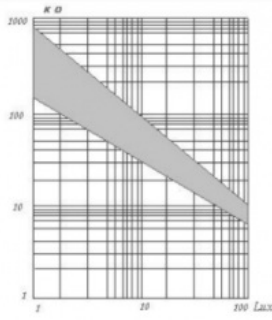


图 4 GM3537-2

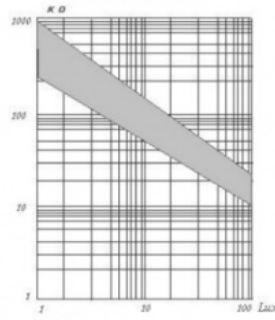


图 5 GM3539

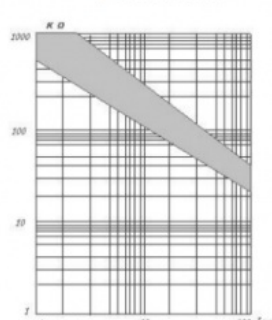


图 6 GM3549

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.

Product Description:

Light Dependent Resistor

Light Dependent Resistor (LDR) is a kind of optical resistor which is used to sense the light intensity by changing the resistance value. It is usually used in controlling the intensity of light, automatic light switch, smart homes and other applications. The LDR we provide is of series 7mm and 3mm, with a max voltage of 250 V, environment temperature ranging from -30 to +70 °C, and a lead length of 12mm. The bright resistor value (at 10Lux) is between 5 to 10KΩ.

Features:

Product Name: Light Dependent Resistor

Lead Length: 12mm

Bright resistor(10Lux): (5-10)KΩ

Max Voltage VDC: 250 V

Dark resistance: 1MΩ

Model: GM12516

3mm series photoresistor

12mm series photoresistor

3mm series photoresistor

GM12516

Technical Parameters:

Parameter	Value
Response time(ms):	Rise30ms Decline30ms
Spectrum peaknm:	560
Environment temperature°C:	-30~+70°C
Max VoltageVDC:	250 V
Dark resistance:	1MΩ
Model:	GM12516
Lead Length:	12mm
Product Name:	Light Dependent Resistor

Bright resistor(10Lux): (5-10)KΩ
Power consumptionmw: 200
3mm series photoresistor: Yes
7mm series photoresistor: Yes

Applications:

The **LINKUN Photoresistor 7516** is a light dependent resistor that is ideal for a wide variety of applications. The GM55 series photoresistor has a spectrum peak of 560nm, a lead length of 12mm, and a power consumption of 200mw. It has a response time of 30ms (rise & decline) and a bright resistor of 5-10KΩ (at 10Lux). This photoresistor is manufactured in Dongguan, Guangdong, China, and is perfect for those who need a reliable and durable light dependent resistor.

The **7mm series photoresistor** is a great choice for projects that require light detection or light adjustment. It has a very short response time and a wide range of brightness. Its power consumption is low, making it perfect for battery powered devices. This photoresistor is also very reliable, and its small size make it easy to install in tight spaces.

The **GM55 series photoresistor** is perfect for those who need a highly reliable and versatile light dependent resistor. It is designed to be used in a variety of applications, and it has a wide range of brightness levels. Its lead length is 12mm, and its power consumption is only 200mw. This photoresistor has a response time of 30ms (rise & decline) and a bright resistor of 5-10KΩ (at 10Lux).

For a reliable and high-performance light dependent resistor, look no further than the **LINKUN Photoresistor 7516**. It is perfect for a wide variety of applications and is manufactured in Dongguan, Guangdong, China. With a spectrum peak of 560nm, a lead length of 12mm, and a power consumption of 200mw, this photoresistor is sure to meet your needs.

Customization:

Welcome to LINKUN custom services. We provide the Light Dependent Resistor with excellent performance. Our product, Photoresistor 7516, is characterized by 5mm series photoresistor, Light-Sensitive Resistor, Light-Sensitive Resistor, Dark resistance: 1MΩ, Environment temperature°C: -30~+70°C, Lead Length: 12mm, Power consumptionmw: 200, and Place of Origin: Dongguan, Guangdong, China.

Our Light Dependent Resistor is the perfect choice for anyone looking for a reliable, durable and affordable product. We guarantee that our product will exceed your expectations and provide you with excellent value.

If you have any questions or need any further information, please do not hesitate to contact us.

Support and Services:

Light Dependent Resistor Technical Support and Service

Free technical support and advice on installation and use of the product.

Warranty and repair services, including replacement parts.

On-site installation and repair services.

Regular maintenance of the product.

Packing and Shipping:

Packaging and Shipping for Light Dependent Resistor

When shipping Light Dependent Resistor products, the following steps should be taken to ensure safe delivery:

Package product in a cardboard box with cushioning material to prevent damage.

Label box with product name, quantity, and any required handling instructions.

Ensure box is properly sealed and taped in order to prevent tampering.

Print and attach shipping label with delivery address and contact information.

Place box in a larger shipping container with additional cushioning material.

Ship package with a reliable shipping carrier.



Dongguan Linkun Electronic Technology Co., Ltd.



13423305709



huangju@lk-ptc.com



lk-thermistor.com

Room 101, No. 21, Huayuanzai Road, Chongmei, Chashan Town, Dongguan City, Guangdong Province