



# GM7528 Light Dependent Resistor Dark Resistance 1MΩ 150V High Sensitivity For Metering Photoelectric

Our Product Introduction

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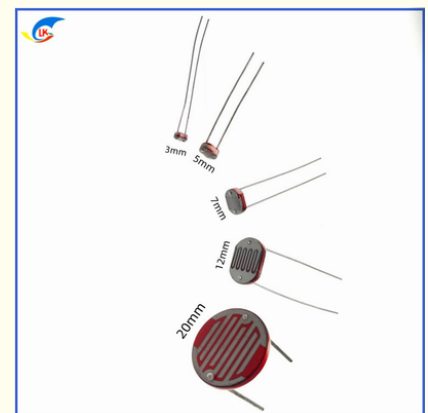
## Basic Information

- Place of Origin: Dongguan,Guangdong,China
- Brand Name: LINKUN
- Model Number: Photoresistor 7528
- 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
- Model: GM7528
- Max VoltageVDC: 150 V
- Dark Resistance: 1MΩ
- Max Power Consumptionmw: 100nmw
- Response Time(ms): Rise30ms Decline30ms
- Spectrum Peaknm: 540
- Bright Resistor(10Lux) KΩ: 10-20KΩ
- Environment Temperature°C: -30~+70°C
- Dark Resistance≥: 1MΩ
- Highlight: GM7528 Light Dependent Resistor



## More Images



## Product Description

**CDS Photoresistor GM7528 Bright Resistance 10-20KΩ Dark Resistance 1MΩ 150V High Sensitivity For Metering, Photoelectric**

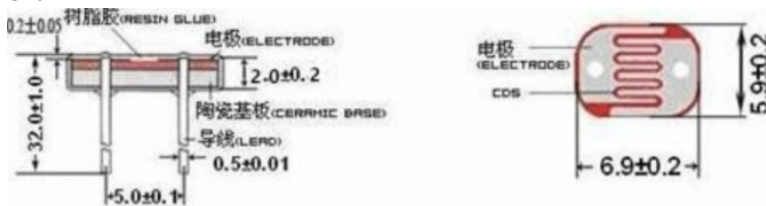


### GM75 series photoresistor

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 Good reliability
- Small size high sensitivity
- Fast reaction speed Good spectral characteristics

### Scope of application

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

### Model and specification

Specification	Model	Max Voltage VDC	Max Power consumptionmw	Environment temperature°C	Spectrum peak nm	Bright resistor(10Lux) KΩ	Dark resistance≥ MΩ	Response time(ms)		Illuminance characteristic diagram number	
								Rise	Decline		
	GM7516	150	100	30~+70	540	5-10	0.2	0.6	30	30	1
	GM7528	150	100	30~+70	540	10-20	1	0.6	30	30	2

φ7series	GM7 537- 1	150	100	- 30~+7 0	560	20-30	2	0. 7	3 0	30	3
	GM7 537- 2	150	100	- 30~+7 0	560	30-50	4	0. 8	3 0	30	3
	GM7 539	150	100	- 30~+7 0	560	50-100	8	0. 8	3 0	30	4

**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.

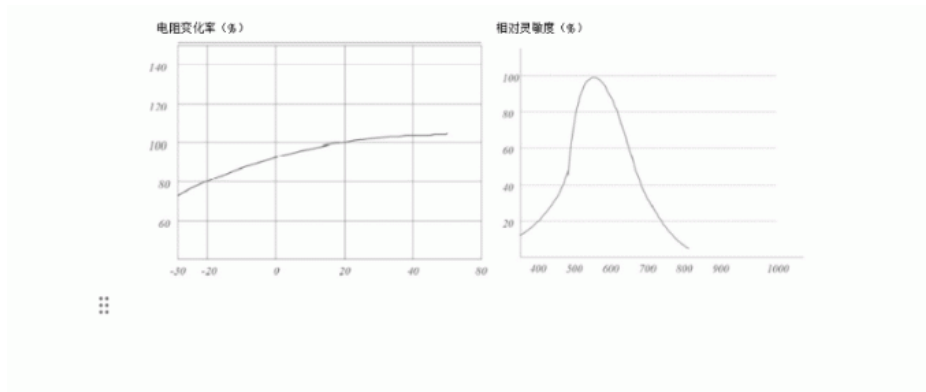
$Lg(R_{10}/R_{100})$

$\text{Gamma} = -Lg(R_{10}/R_{100})$

$Lg(100/10)$

R10 and R100 are resistance values of 10Lux and 100Lux illumination respectively (tolerance of  $\gamma$  is  $\pm 0.1$ )

**Main characteristic curve**



⋮

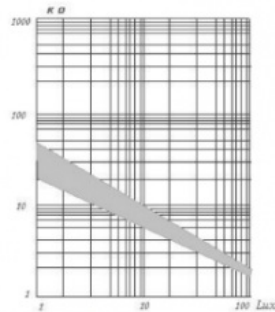


图 1 GM7516

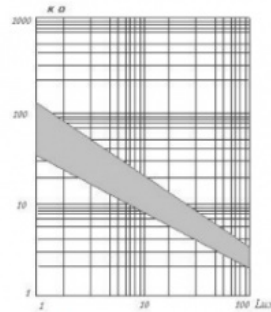


图 2 GM752

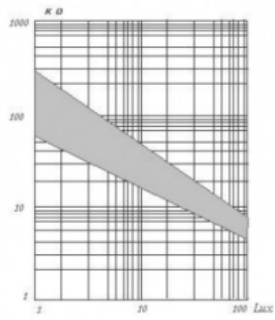


图 3 GM7537-1

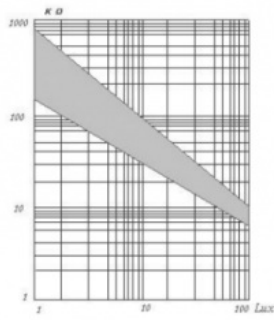


图 4 GM7537-2

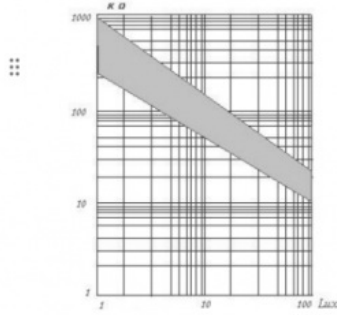


图 5 GM7539

## Product Description:

GM55 series photoresistor, 7mm series photoresistor, 12mm series photoresistor are a type of light dependent resistor (LDR). This product has high sensitivity to light and low power consumption of 200 mw, and can work in the environment temperature from -30 to +70°C. When exposed to light, the dark resistance of the product is only 1MΩ, and it has a response time of 30ms for both the rise and the decline. The spectrum peak of this product is 560nm.

## Features:

Product Name: Light Dependent Resistor  
 Dark resistance: 1MΩ  
 Model: GM12516  
 Response time(ms): Rise30ms Decline30ms  
 Power consumptionmw: 200  
 3mm series photoresistor  
 GM55 series photoresistor  
 12mm series photoresistor

## Technical Parameters:

Property	Value
Spectrum peaknm	560
Model	GM12516
Product Name	Light Dependent Resistor
Power consumptionmw	200
Max VoltageVDC	250 V
Dark resistance	1MΩ
Bright resistor(10Lux)	(5-10)KΩ
Response time(ms)	Rise30ms Decline30ms
Lead Length	12mm
Environment temperature°C	-30~+70°C
3mm series photoresistor	Yes
7mm series photoresistor	Yes

## Applications:

LINKUN Photoresistor 7516 - Light Dependent Resistor

LINKUN Photoresistor 7516 Light Dependent Resistor is a 3mm series photoresistor that is light-sensitive resistor. It has a maximum voltage of 250 V, and a lead length of 12mm. Its dark resistance is 1M $\Omega$ , and its response time is 30ms for both rise and decline. This product originates from Dongguan, Guangdong, China, and is perfect for various applications that require a light-sensitive component. The LINKUN Photoresistor 7516 has a wide range of applications, such as light-controlled switch circuits, robot control, light sensitive alarms, and outdoor lighting control. It is also perfect for industrial applications, such as automatic control systems, light-sensitive dimmers, and automatic street lamp control. The photoresistor is also ideal for portable devices, such as flashlights, phone flashlights, and light-sensitive toys.

LINKUN Photoresistor 7516 Light Dependent Resistor is reliable and of high quality. It is durable and precise, with a quick response time. It can be used in a variety of environments, from extreme cold to extreme heat, and in humid and dry conditions. With its low power consumption, it is environmentally friendly and energy-saving.

## Customization:

Light Dependent Resistor

**Brand Name:** LINKUN

**Model Number:** Photoresistor 7516

**Place of Origin:** Dongguan, Guangdong, China

**Lead Length:** 12mm

**Spectrum peaknm:** 560

**Dark resistance:** 1M $\Omega$

**Model:** GM12516

**Max VoltageVDC:** 250 V

We offer light-sensitive resistor in our 5mm series photoresistor, perfect for applications where light-sensitive resistor is required, like energy saving lamps, LED lights, etc. Our light-sensitive resistor has a brand name of LINKUN, model number of Photoresistor 7516, place of origin of Dongguan, Guangdong, China, lead length of 12mm, spectrum peaknm of 560, dark resistance of 1M $\Omega$ , model of GM12516 and max voltageVDC of 250 V.

## Support and Services:

### Light Dependent Resistor Technical Support and Services

We provide technical support and services for Light Dependent Resistors. Our team of experienced engineers will assist you in choosing the right device for your application, from simple to complex designs. We will guide you through the installation process, provide troubleshooting tips, and answer any questions you may have.

We also offer maintenance and repair services for Light Dependent Resistors. We will inspect your equipment and provide detailed reports on any problems we may find. We are also available to provide on-site technical support and repairs if needed.

If you have any questions or need assistance with Light Dependent Resistors, please contact us for more information.

## Packing and Shipping:

Packaging and Shipping

Light Dependent Resistor (LDR) products must be packaged and shipped according to the following guidelines:

The product must be securely packaged in a corrugated box or other suitable container.

The package must be clearly labeled with the product name and a brief description of its contents.

The package must be shipped with enough padding to protect the product from any bumps or impacts that may occur during transit.

If the product is shipped over long distances, it must be securely sealed to prevent any moisture from entering the package.



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