



CdS Photoresistor 125 Series GM12528 Light Dependent Resistor 10-20KΩ In Toys Lamps Photography

Our Product Introduction

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Basic Information

- Place of Origin: Dongguan,Guangdong,China
- Brand Name: LINKUN
- Model Number: Photoresistor 12528
- 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: GM12528
- Lead Length: 12mm
- Bright Resistance: 10-20 KΩ
- Dark Resistance: 1MΩ
- Spectrum Peaknm: 540 Nm
- Response Time(ms): Rise20ms Decline30ms
- Max VoltageVDC: 150 VDC
- Environment Temperature : -30~+70°C
- Highlight: **GM12528 Light Dependent Resistor,
Light Dependent Resistor For Lamps**



More Images



Product Description

CdS Photoresistor 125 Series GM12528 Bright Resistor 10-20KΩ Used In Toys, Lamps, Photography And Other Industries

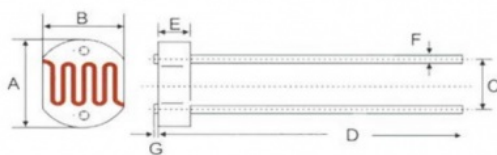


CdS series photoresistor 12MM

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 structure diagram

GM125 series	A	B	C	D	E	F	G
	12.0 ± 0.2	10.6 ± 0.2	9.0 ± 0.1	36 ± 1	1.8 ± 0.2	0.5 ± 0.02	0.2 ± 0.05



Performance and features

- Coated with epoxy
- Good reliability
- Small volume
- High sensitivity
- Quick response
- Good spectrum characteristic

Application scope

- Camera automation photometry
- Indoor sunlight control
- Photoelectric control
- Optical control switch
- Optical control lamp

Electronic toy
Annunciator
Optical control music
Electronic proverbial vltional
Industrial control

Specifications

Specifi cation	Model	Pressure resistant (VDC)	Power consum ption (mW)	spectrum (nm)	Bright resistance (KΩ)	Dark obstruction (MΩ)	γ_{100}	Response time	
								Rise	Decline
Φ12 series	12516	150	90	540	5-10	0.5	0.5	30	30
	12528	150	100	540	10-20	1	0.6	20	30
	12537 -1	150	100	540	20-30	2	0.6	20	30
	12537 -2	150	100	540	30-50	3	0.7	20	30
	12539	150	100	540	50-100	5	0.8	20	30
	12549	150	100	540	100-200	10	0.9	20	30

Packaging and precautions

The product is packaged in neutral packaging, with 200 pieces in small packaging and 1,000 pieces in large packaging:

Do not place the photoresistor in a humid or high-temperature environment:

Note that the lead welding position should be more than 4mm away from the ceramic base:

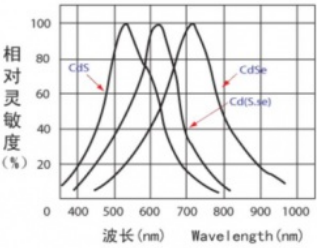
Test Conditions

1. Bright resistance: resistance value measured with 10Lux illumination under standard light source A (color temperature 2854K).
- 2 Dark resistance: refers to the resistance value at the 10th second after the light is turned off (OLux).
- R10 and R100 are the brightness resistance values under 10Lux and 100Lux illumination respectively, and the tolerance of γ value is ± 0.1
- 3,The γ value refers to the standard value under 10Lux and 100Lux illumination..
- 4,Maximum power loss: Maximum power loss when the ambient temperature is 25°C.
- 5,Maximum applied voltage: refers to the maximum voltage that can be continuously applied to the component in the dark.

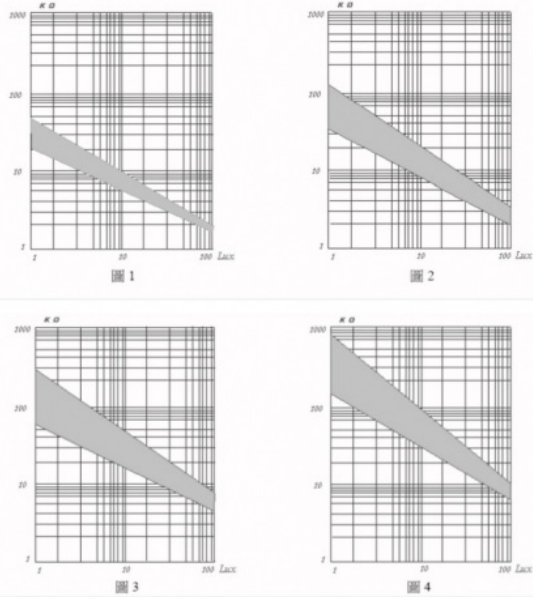
Spectral response characteristics

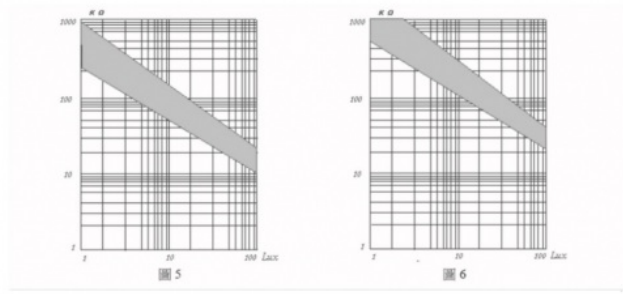
GMI25

Spectral response characteristics



Illuminance characteristic diagram





Product Description:

Light Dependent Resistor

Light Dependent Resistor (LDR) is a 7mm series photoresistor with a 3mm series photoresistor. It is used to detect light intensity and respond to changes in environmental light. It can be used in various light sensing applications, such as automatic lighting control, etc.

The key features of Light Dependent Resistor include:

Environment temperature range: -30°C ~ $+70^{\circ}\text{C}$

Dark resistance: $0.2\text{M}\Omega$

Spectrum peak: 540nm

Max voltage: 150 V

Bright resistor (10Lux): (2-5) $\text{K}\Omega$

Light Dependent Resistor is suitable for applications requiring sensing of light intensity, such as outdoor lighting, solar energy, etc. It is capable of providing long-term reliable performance in various temperatures and lighting conditions.

Features:

Product Name: Light Dependent Resistor

Response time(ms): Rise30ms Decline30ms

Model: GM5506

Max VoltageVDC: 150 V

Spectrum peaknm: 540

5mm series photoresistor

3mm series photoresistor

Technical Parameters:

Parameter	Value
Spectrum peaknm	540
Dark resistance	$0.2\text{M}\Omega$
Bright resistor(10Lux)	(2-5) $\text{K}\Omega$
Lead Length	5mm
Response time(ms)	Rise30ms Decline30ms
Max VoltageVDC	150 V
Model	GM5506
Product Name	Light Dependent Resistor
Environment temperature	-30°C ~ $+70^{\circ}\text{C}$
Power consumptionmw	90
Keywords	3mm series photoresistor, 5mm series photoresistor, Light-Sensitive Resistor

Applications:

The **Light Dependent Resistor** from LINKUN with model number Photoresistor 5506 is a great choice for applications that require reliable and dependable performance. It is designed with a 7mm series photoresistor, 3mm series photoresistor, and a GM5506, and is built to withstand temperature ranging from -30 to 70°C . It has a dark resistance of $0.2\text{M}\Omega$ and a response time of 30ms for rising and falling. LINKUN's Light Dependent Resistor is perfect for demanding projects that require high-precision and accuracy.

Customization:

Light Dependent Resistor

Brand Name: LINKUN

Model Number: Photoresistor 5506

Place of Origin: Dongguan, Guangdong, China

Spectrum peaknm: 540

Response time (ms): Rise 30ms, Decline 30ms

Environment temperature : -30~+70°C

Product Name: Light Dependent Resistor

Dark resistance: 0.2MΩ

Features: 7mm series photoresistor, 3mm series photoresistor, 5mm series photoresistor

Support and Services:

Light Dependent Resistor Technical Support and Service

At XYZ, our goal is to provide the best technical support and service for our Light Dependent Resistor (LDR) products. We understand that our customers rely on us to provide reliable and timely information and support.

Our knowledgeable and experienced team of engineers is available to answer any questions you may have about your LDR product. We provide prompt and accurate technical support to ensure that you get the most out of your product. We also strive to stay ahead of the latest developments in the industry and can advise you on the best LDR products available.

In addition to providing technical support, we also offer repair services. Our team of experienced technicians can diagnose and repair any issues you may be having with your LDR product. We also provide warranties on all our products to guarantee your satisfaction.

If you have any questions or need assistance with your LDR product, please do not hesitate to contact us. We are here to help you get the most out of your product. Thank you for choosing XYZ for your Light Dependent Resistor needs.

Packing and Shipping:

Packaging and Shipping - Light Dependent Resistor

Light dependent resistors are packaged in cardboard boxes and shipped in a variety of ways. For domestic orders, they are typically shipped through FedEx, UPS, or the US Postal Service. For international orders, they are most often shipped by air or sea freight.

The boxes are padded with foam to protect the resistors from shock and vibration. They are also labeled with a tracking number and an expiration date. All products are inspected for quality control before being shipped.

FAQ:

Q: What brand is the Light Dependent Resistor?

A: The Light Dependent Resistor is from LINKUN, with the model number of Photoresistor 5506.

Q: Where is the Light Dependent Resistor manufactured?

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

Q: What is the working voltage range of the Light Dependent Resistor?

A: The working voltage range of the Light Dependent Resistor is 0.1V-0.5V.

Q: What is the spectral response range of the Light Dependent Resistor?

A: The spectral response range of the Light Dependent Resistor is 400nm-1100nm.

Q: What is the maximum power dissipation of the Light Dependent Resistor?

A: The maximum power dissipation of the Light Dependent Resistor is 100mW.



Dongguan Linkun Electronic Technology Co., Ltd.



13423305709



huangju@lk-ptc.com



lk-thermistors.com

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