



GM 20528 Light Dependent Resistor Voltage 500VDC 10-20KΩ Dark Resistance 1MΩ

Our Product Introduction

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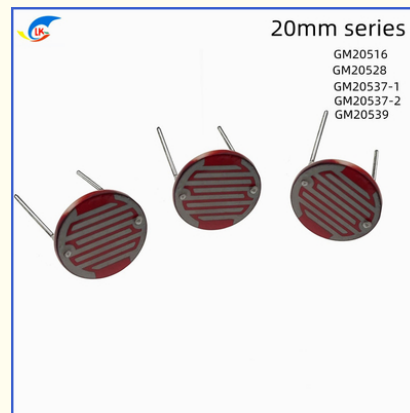
Basic Information

- Place of Origin: Dongguan,Guangdong,China
- Brand Name: LINKUN
- Model Number: Photoresistor 20528
- 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: GM20528
- Bright Resistor(10Lux): 10-20 KΩ
- Dark Resistance: 2 MΩ
- Environment Temperature°C: -30~+70°C
- Spectrum Peaknm: 560
- Power Consumptionmw:500 NmW
- Max VoltageVDC: 500 V
- Highlight: **GM 20528 Light Dependent Resistor, Light Dependent Resistor Dark Resistance 1MΩ**



More Images



Product Description

Φ20mm Photoresistor GM 20516 Voltage 500VDC 10-20KΩ Dark Resistance 1MΩ Applied In Toys, Lamps, Cameras, Light Detectors

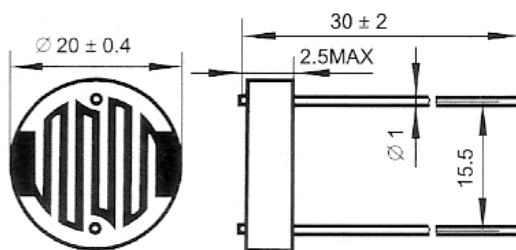


GM205series photoresistor

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 peaknm	Bright resistor(10Lux) KΩ	Dark resistance≥ MΩ	γ10010	Response time(ms)		Illuminance characteristic diagram number
									Rise	Dec line	
Φ20series	GM20516	500	500	-30~+70	560	5-10	1	0.6	30	30	2
	GM20528	500	500	-30~+70	560	10-20	2	0.6	30	30	2
	GM20537-1	500	500	-30~+70	560	20-30	3	0.7	30	30	3
	GM20537-2	500	500	-30~+70	560	30-50	5	0.7	30	30	3
	GM20539	500	500	-30~+70	560	50-100	8	0.8	30	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.

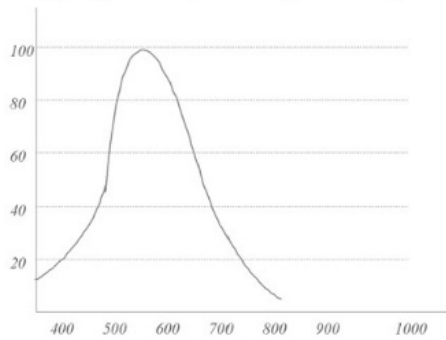
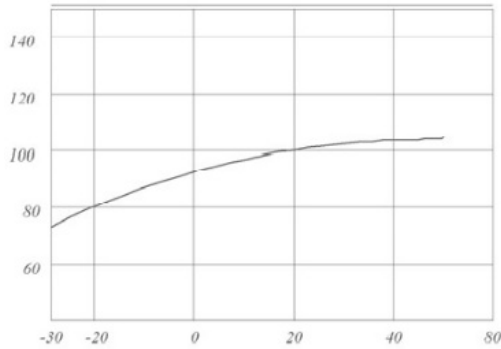
$Lg(R_{10}/R_{100})$

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

$Lg(100/10)$

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

Main characteristic curve



Illumination-resistance characteristic curve

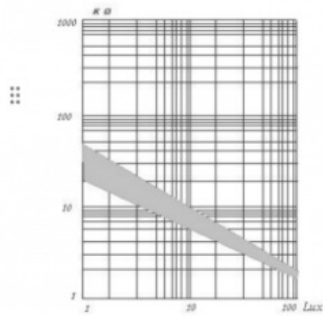


图 1 GM20516

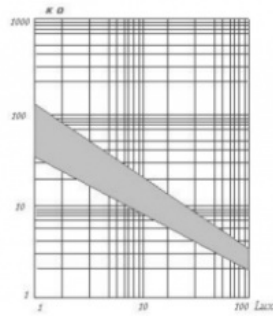


图 2 GM20528

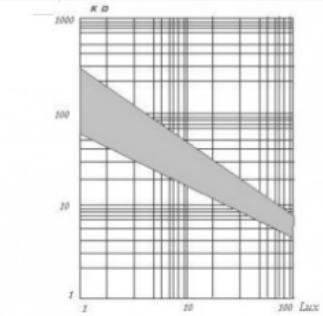


图 3 GM20537-1

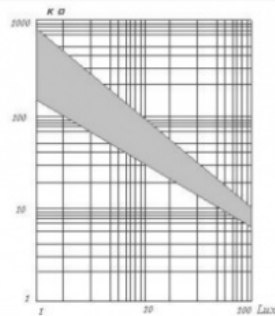


图 4 GM20537-2

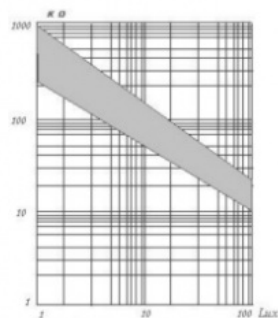


图 5 GM20539

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:

The **GM55 series photoresistor**, also known as a Light Dependent Resistor (LDR), is a compact, cost-effective and reliable 5mm series photoresistor. It has a maximum voltage of 100 VDC, a dark resistance of 2-3 MΩ and a lead length of 3mm. The GM55 series photoresistor is a popular model for its high performance, long lasting durability and excellent sensitivity. It can be used in various applications such as sensing light intensity, temperature control, and motion detection. The **GM55 series photoresistor** is an ideal choice for anyone looking for a reliable and cost-effective solution for their sensing needs.

Features:

Product Name: Light Dependent Resistor
 Environment temperature°C: -30~+70°C
 Bright resistor(10Lux): (20-50)KΩ
 Model: GM3537
 Max VoltageVDC: 100 V
 Power consumptionmw: 50 NmW
 7mm series photoresistor
 3mm series photoresistor

Technical Parameters:

Product Name	Light Dependent Resistor
Model	GM3537
Lead Length	3mm
Response time (ms)	Rise 30ms, Decline 30ms
Power consumption (mw)	50 Nmw
Max Voltage (VDC)	100 V
Dark resistance (Ω)	2-3 M Ω
Bright resistor (10Lux) (K Ω)	20-50 K Ω
Spectrum peak (nm)	540
Environment temperature ($^{\circ}$ C)	-30~+70 $^{\circ}$ C
Series	GM55 series photoresistor, 5mm series photoresistor, 7mm series photoresistor

Applications:

LINKUN Light Dependent Resistor is one of the most trusted and reliable products in the market. It is a 5mm series photoresistor, GM55 series photoresistor or 3537-1 series photoresistor, made of high-quality components and reliable technology. It has a wide range of applications and it is suitable for different environments. It is one of the most popular and commonly used light-dependent resistors in advanced electronic products. It is a versatile product that can be used in a variety of applications.

The LINKUN Light Dependent Resistor has a wide range of applications. It can be used in automotive, home appliance, industrial control, security, communication, automotive lighting, medical equipment, power system and other industries. It is an ideal choice for many electronic products, such as street lights, LED lighting, automotive lighting, security lights, etc. It is also used in a variety of projects, such as traffic signals, factory lighting, and other industrial projects.

The LINKUN Light Dependent Resistor is highly durable and reliable. It has a wide operating temperature range from -30 $^{\circ}$ C to +70 $^{\circ}$ C. It also features low power consumption of 50Nmw and a dark resistance of 2-3M Ω . Moreover, it provides a bright resistor of 20-50K Ω at 10Lux. The product is also designed with advanced technology and features excellent performance and high accuracy.

LINKUN Light Dependent Resistor is one of the best products in the market and is widely used in a variety of applications. It is a reliable and durable product that has a wide range of applications. It features low power consumption, wide operating temperature range, and a bright resistor that provides excellent performance and high accuracy. Therefore, it is a perfect choice for a wide variety of projects and applications.

Customization:

LINKUN Photoresistor 3537-1 - 12mm/5mm/7mm Series Photoresistor

LINKUN Photoresistor 3537-1 is an ideal choice for your light-dependent resistor needs. It is manufactured in Dongguan, Guangdong, China with model GM3537. It has a spectrum peaknm of 540, power consumptionmw of 50 Nmw and environment temperature $^{\circ}$ C of -30~+70 $^{\circ}$ C. The dark resistance is 2-3 M Ω .

The 12mm/5mm/7mm series photoresistor is perfect for projects, and industrial applications. With its high quality and reliable performance, it's sure to meet all your needs.

Support and Services:

Light Dependent Resistor Support and Service

Light dependent resistor (LDR) is an electrical component that can be used to measure the intensity of light. The resistance of the LDR changes depending on the amount of light it is exposed to.

Technical Support

If you are having problems with your LDR, our technical support team is here to help. We can provide technical assistance in troubleshooting, installation, and programming. We are also available to answer any questions you may have about LDRs and their use.

Service and Maintenance

Our team of experts can provide regular maintenance for your LDRs to ensure they are functioning properly. We can also provide repair services for any damaged or malfunctioning LDRs. Our team is committed to providing quality service and will do our best to ensure your LDRs are working correctly.

Packing and Shipping:

Packaging and Shipping for Light Dependent Resistor

Light dependent resistor is a fragile device, therefore, it is important to ensure that it is properly packaged and shipped to avoid damage or delay.

Packaging

Light dependent resistor should be stored in a dry, climate-controlled environment. It should be placed in an electrostatic discharge (ESD) safe package, to reduce the risk of static electricity causing any damage. The package should also be well sealed and labeled correctly.

Shipping

Light dependent resistor should be shipped in accordance with all applicable laws and regulations. It should be sent via a reliable and insured shipping method, to ensure that it arrives safely and in a timely manner. The package should be clearly labeled with the correct shipping address and contact information.



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