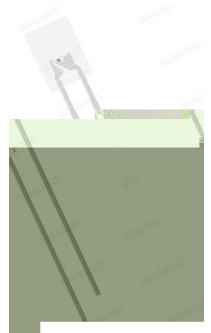


技术数据表

特点 () :

- * : 5.0*2.0*7.0*28mm
- Appearance dimension: 5.0*2.0*7.0*28mm
- * : /
- Luminous color and colloid: Red brightness White /water colloid
- * ROHS
- Environmental protection products meet ROHS requirements
- * MSL : 2
- Moisture sensitivity level MSL : 2 levels
- * EIA
- EIA standard packaging
- *
- Long operating life
- *
- High energy efficiency, fast startup
- *
- Low voltage DC drive



应用领域 () :

- * ;
- Home appliances, digital, communication
- *
- Automotive Electronics
- *
- Lighting decoration
- *
- electronic toy
- *
- electronic clock
- *
- Traffic instructions
- *
- Medical beauty instruments
- *
- Electronic teaching equipment
- *
- Urban lighting



目录

Contents

Pis

M

电性参数

Parameter	Symbol	Rating	Unit
Consumed power	Pd	70	mW
Max Continuous Forward Current	IF	20	mA
Peak Forward Current			

亮度分档

:

代码	最小值	最大值	单位	测试条件
A1	50	100	mcd	IF=20mA
A2	100	200		
A3	200	300		

电压分档

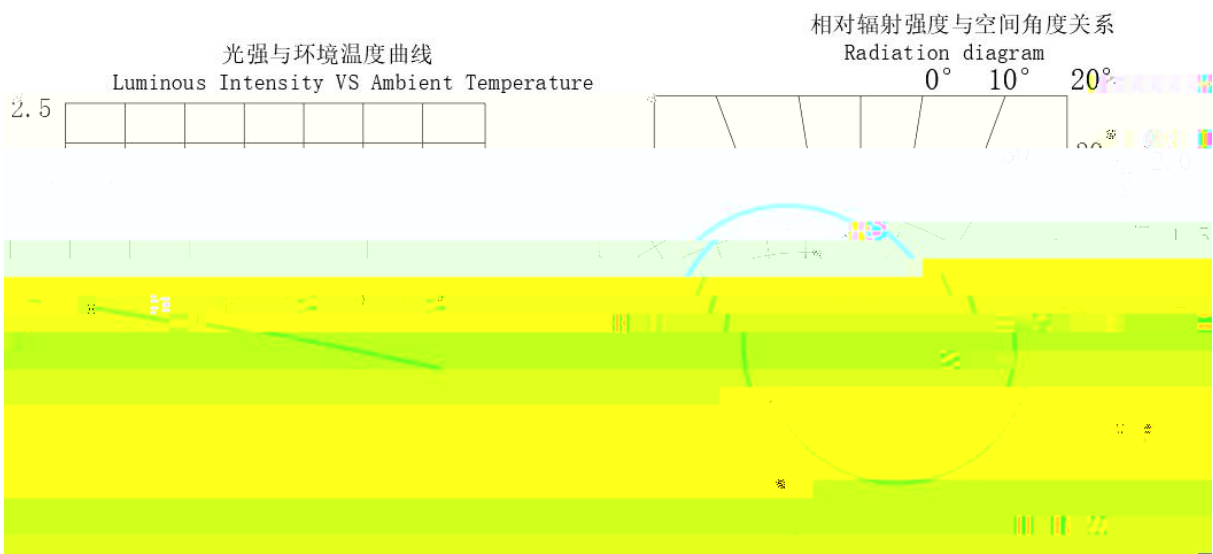
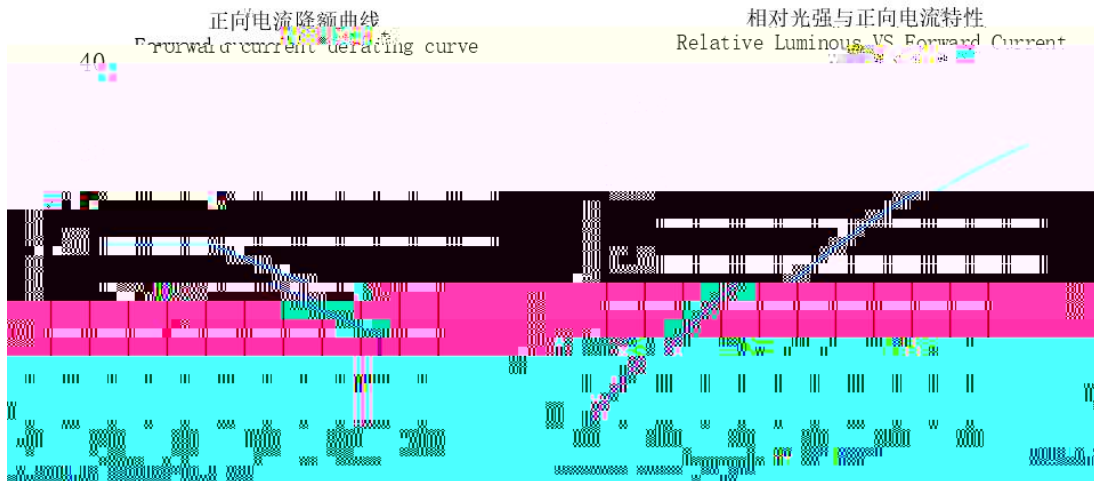
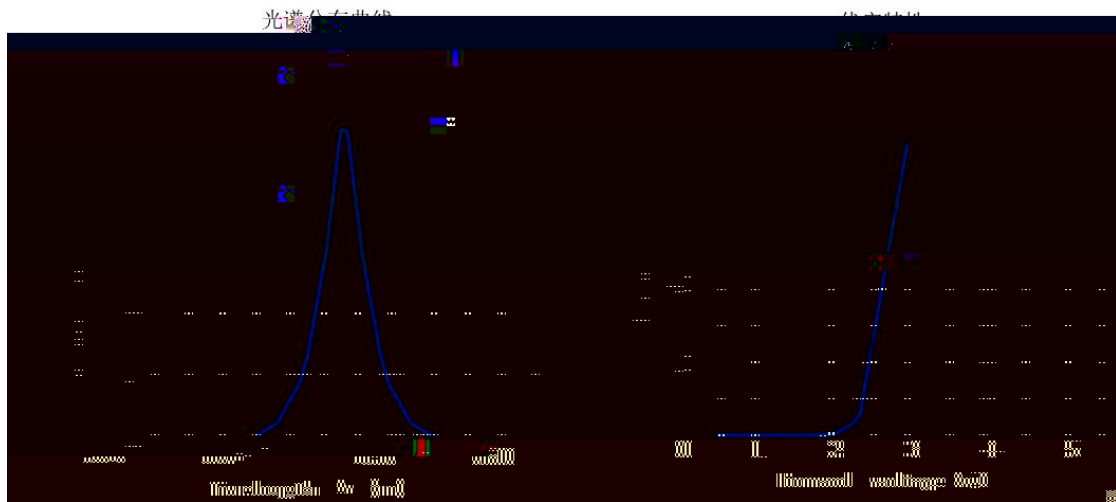
:

代码	最小值	最大值	单位	测试条件
N12-7	1.8	2.0	V	IF=20mA
N12-8	2.0	2.2		
N12-9	2.2	2.4		

波长分档

代码	最小值	最大值	单位	测试条件
HR02	620	625	nm	IF=20mA
HR03	625	630		

典型特性曲线



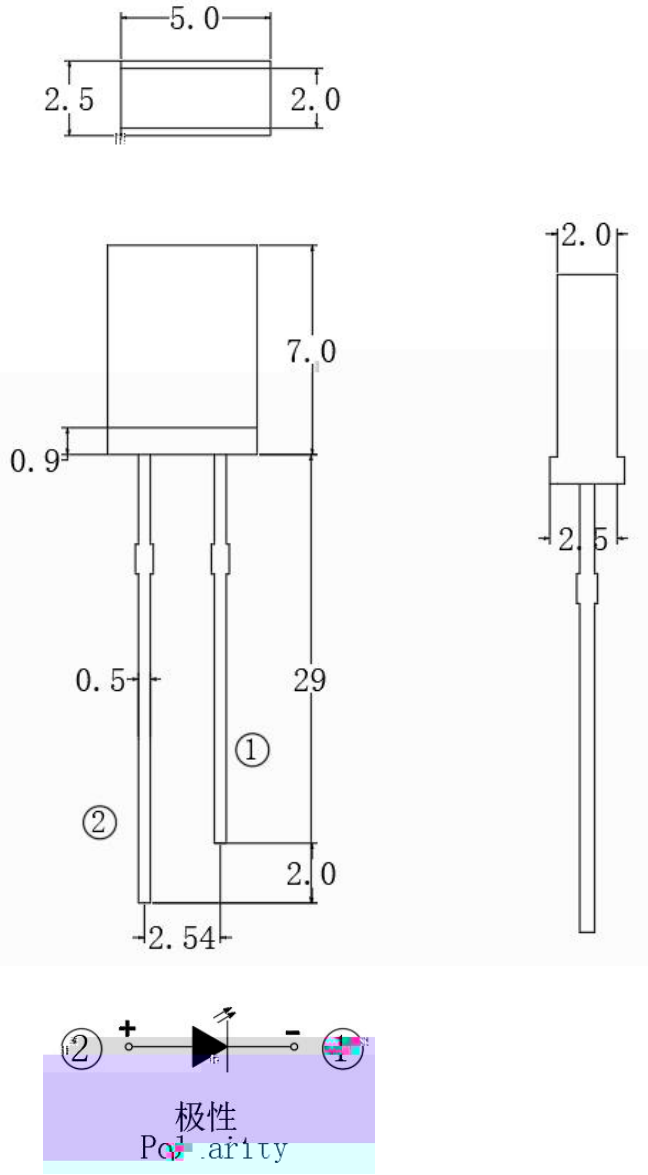
25±5 /Note If not otherwise indicated the test environment temperature is 25±5

可靠性试验

Reliability Test Items And Conditions

Class	Test item	Testing environment	Testing time	Qty	Failqty
Endurance test	Working life	Ta=25 ± 5 , IF=20mA	1000hrs	22 PCS	0/1
	High temperature and high humidity experiment	Ta= 85 ± 5 , RH= 85 ~ 90%	1000hrs	22 PCS	0/1
	High-temperature storage	Ta= 85 ± 5	1000hrs	22 PCS	0/1
	Low temperature storage	Ta= -40 ± 5	1000hrs	22 PCS	0/1
Environmental testing	Cold and hot cycle	100 ± 5 -40 ± 5 30mins 5mins 30mins	100 Circles	22 PCS	0/1
	Hot and cold impact	105 ± 5 -45 ± 5 5mins 5mins	100 Circles	22 PCS	0/1
Mechanical Test	Resistance to Soldering Heat	T.sol= 250 ± 5	2times	22 PCS	0/1
	Lead Integrity	Load 2.5N(0.25kgf) 0 ° ~ 90 ° ~ 0 °	3times	22 PCS	0/1

外形尺寸



(Note)

- 1. Dimensions are in millimeters.
- 2. Tolerances unless mentioned are $\pm 0.50\text{mm}$.

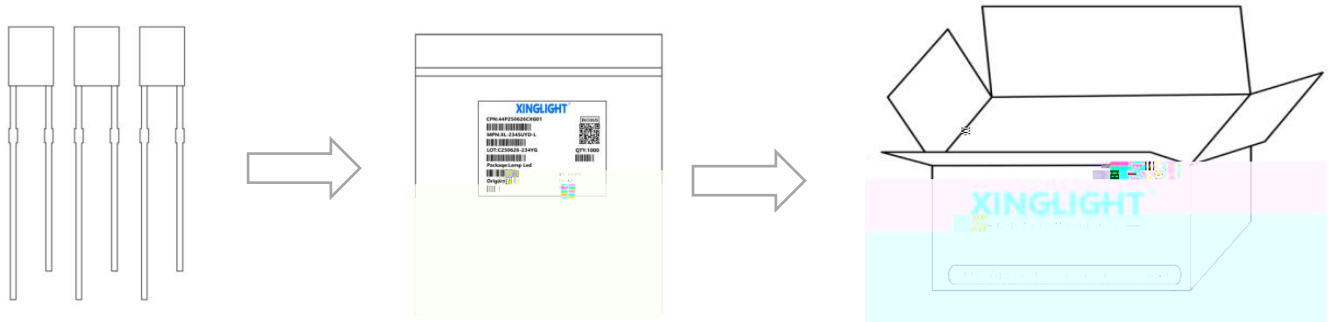
包装

*

In Bags

*

Moisture Proof and Anti-Electrostatic Foil Bag



标签说明 Label Expansion

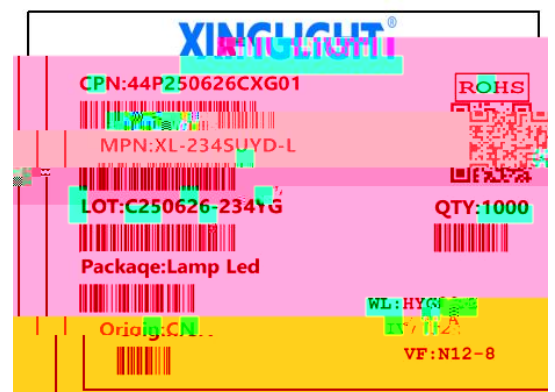
CPN: 批号/档位 LOT: 日期/封装颜色

MPN: 型号 VF: 电压代码

WL: 波长代码 IV: 亮度代码

ORIGIN: 产地 QTY: 数量

PACKAQUE: 封装



使用注意事項 (1)

1.

LED

LED

This LED can be used in some ordinary electronic equipment, such as office equipment, communication equipment, house decoration, if LED is used in some high reliability requirements, such as air transportation, traffic control and medical liao equipment, must refer to the information provided by sales.

LED

30

70%

LED

Storage environment of LED with temperature not exceeding 30 and relative humidity not exceeding 70%.It is recommended that LDE be used in the original box for no more than three months. If longer storage time is required, put it in the drying box and add desiccant or filled with nitrogen.

3

Special care must be taken when cleaning collo jde with chemicals, as some chemicals have damage to the collo jde surface and cause fading such as trichloroethylene, propylene, ketone, etc.It can be wiped and soaked with ethanol for no more than 3 minutes at room temperature.

1

2

It must be 2 mm from the collo j e J bend the bracket.

2

Support forming must be jnt with fixtures or by a professional.

3

Support forming must be completeBefore welding.

4

The pins and spacing are the same as on the circuit board.

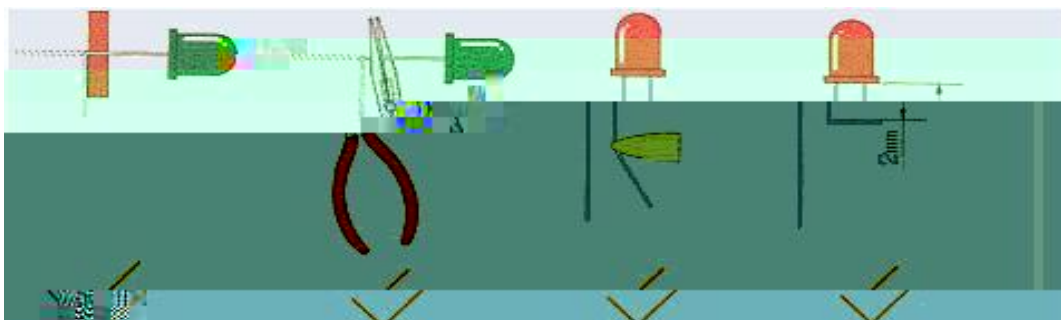
5

LED

PCB

LED

Welding must be performed normal temperature and when LED is normally welded to the PCB plate, avo j eplying mechanical pressure at LED pins at a minimum.



使用注意事項 (2)

Precaut

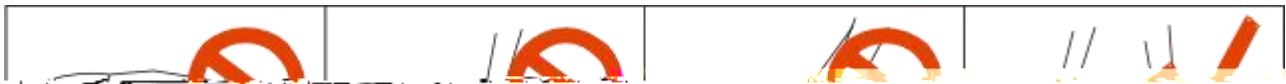
使用注意事项 (3)

Precautions (3)

8、其他事项:

*

*When handling the product, touching the encapsulant with bare hands will not only contaminate its surface, but also affect on its optical characteristics. Excessive force to the encapsulant might result in catastrophic failure of the LEDs due to die breakage or wire deformation. For this reason, please do not put excessive stress on LEDs, especially when the LEDs are heated such as during Reflow Soldering.



*LED

*The epoxy resin of encapsulant is fragile, so please avoid scratch or friction over the epoxy resin surface. While handling the product with tweezers, do not hold by the epoxy resin, be careful.

9、眼睛保护忠告:

*LED

LED

*Viewing direct to the light emitting center of the LEDs, especially those of great Luminous Intensity, will cause great hazard to human eyes. Please be careful.

If there are any modifications to the specification sheet, no further notice will be given