

XL-B324SURSYGC

F3

技术数据表

Technical Data Sheet

特点 (characteristic) :

* L/W/H :F3/3.8*3.0*5.2*28mm

Appearance dimension (L / w / h): F3/3.8*3.0*5.2*28mm

* : /

Luminous color and colloid: high brightness red yellow green / water l colloid

* ROHS

Environmental protection products meet ROHS requirements

* MSL :2

Moisture sensitivity level MSL : 2 levels

* EIA

EIA standard packaging

*

Long operating life

*

Reduced maintenance costs

*

High energy efficiency, fast startup

*

Low voltage DC drive

**产品应用 (product application) :**

*

Backlight module application;

*

Automotive Interior Applications;

*

Signal indication application;

*

Smart Home Applications ;

*

General lighting applications



目录
Catalogue

Electrical Characteristics.....3

Typical Characteristic Curves.....5

Reliability Test Items And Conditions.....6

Outline Dimensions.....

Packaging.....

Precautions.....9

电性参数

Electrical Characteristics

亮度分档:
Brightness grading:

代码 Code	最小值 Min	最大值 Max	单位 Unit	测试条件 Test conditions
A1	100	200	mcd	IF=20mA
A5	400	500		
A6	500	700		

电压分档:
Voltage grading

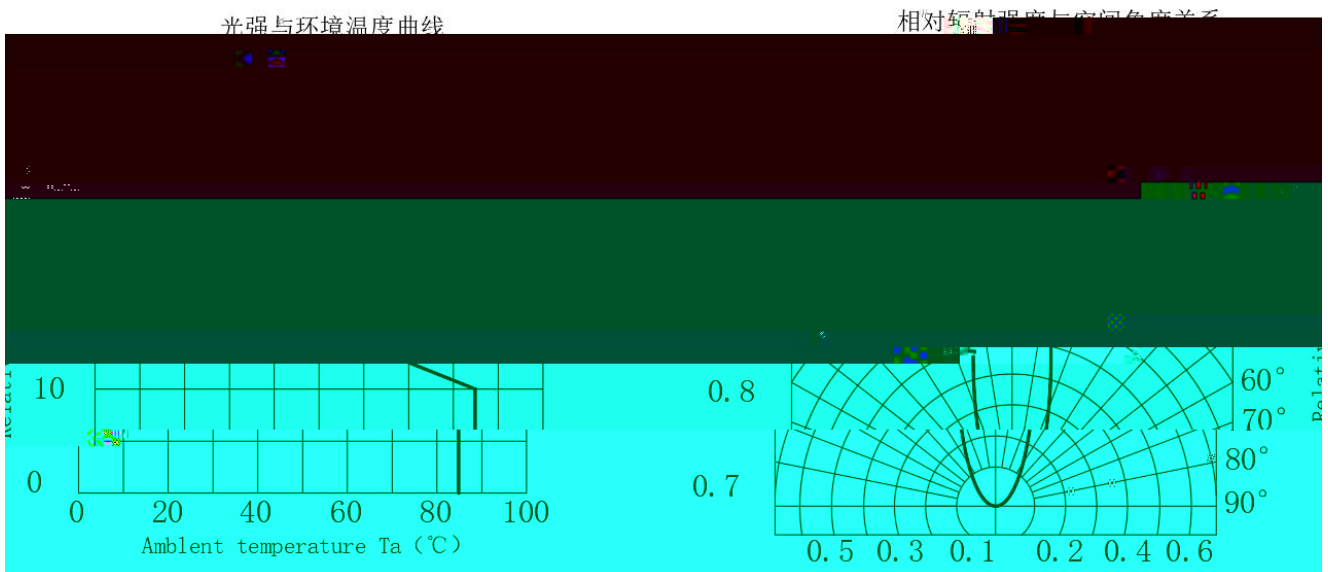
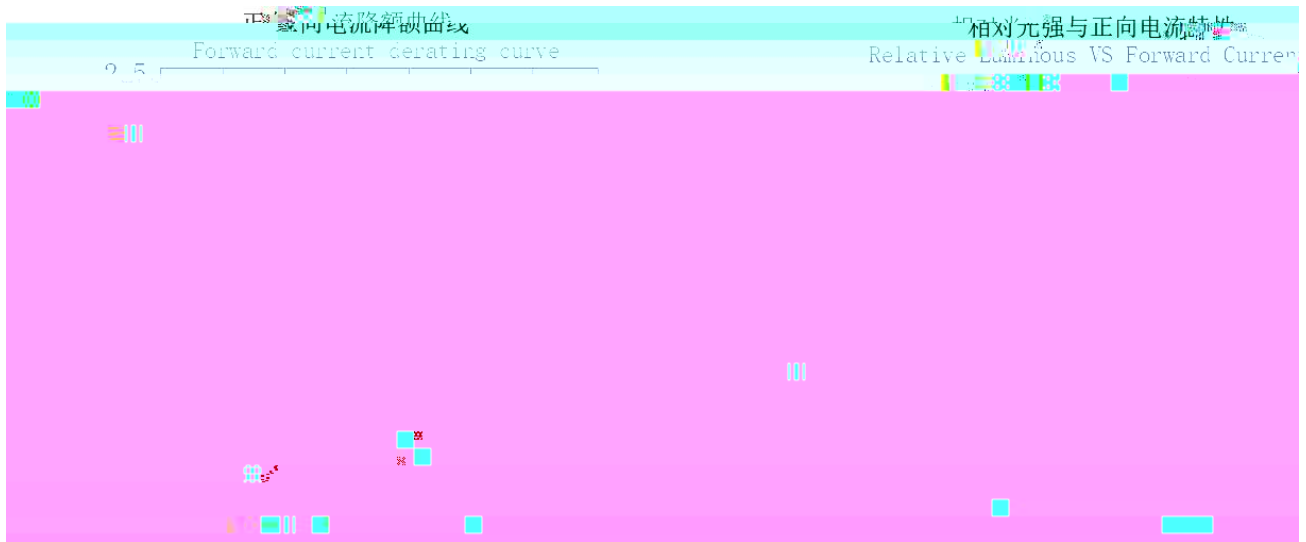
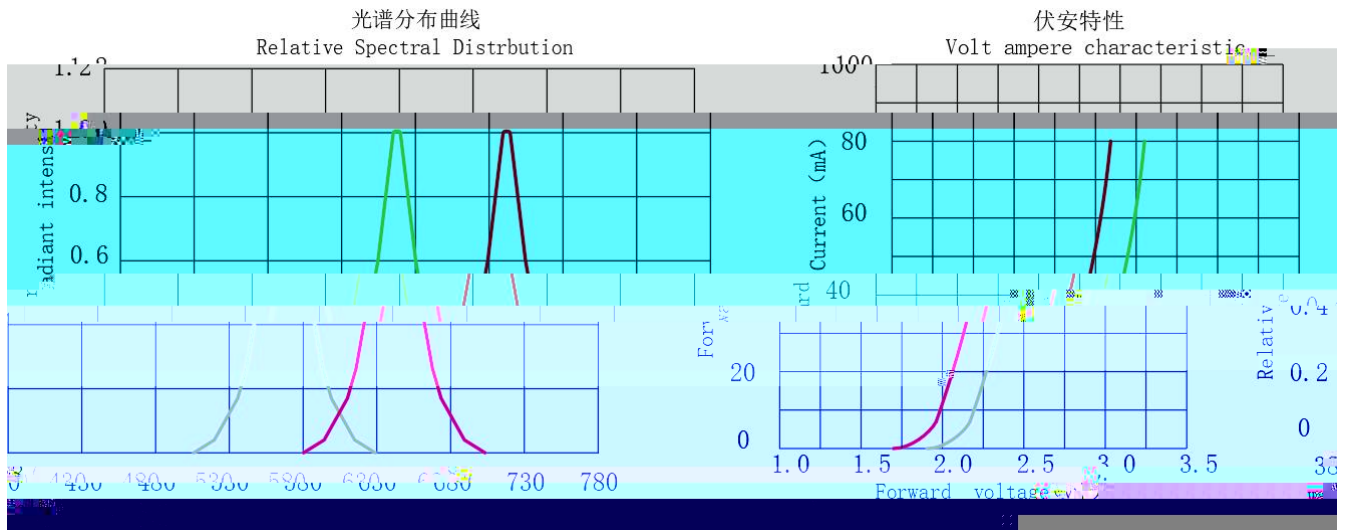
代码 Code	最小值 Min	最大值 Max	单位 Unit	测试条件 Test conditions
N12-7	1.8	2.0	V	IF=20mA
N12-8	2.0	2.2		
N12-9	2.2	2.4		
N13-1	2.4	2.6		

波长分档:
Wavelength grading:

代码 Code	最小值 Min	最大值 Max	单位 Unit	测试条件 Test conditions
HR04	630	635	nm	IF=20mA
HR05	635	640		
HYG03	565	567.5		
HYG04	567.5	570		
HYG05	570	572.5		
HYG06	572.5	575		

典型特性曲线

Typical Characteristics Curves



可靠性试验

Reliability Test Items And Conditions

Class	Test item	Testing environment	Testing time	Qty	Fail qty
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

包装

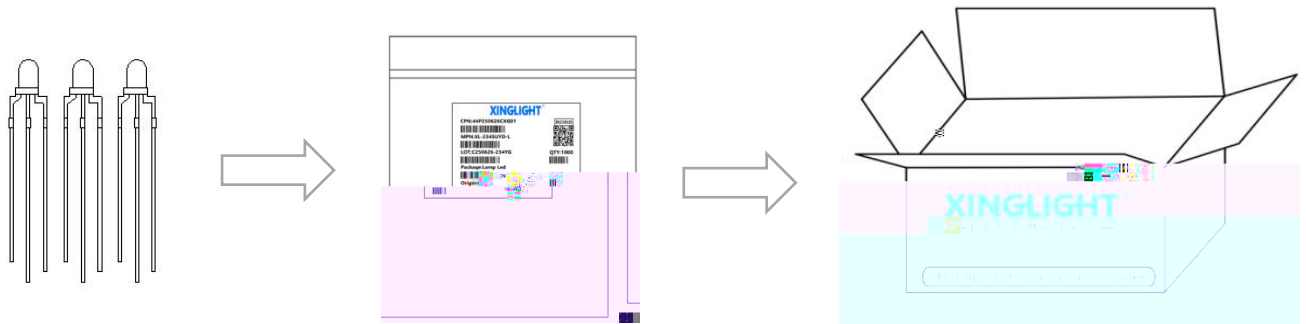
Packaging

*

In Bags

*

Moisture Proof and Anti-Electrostatic Foil Bag



标签说明 Label Expantion

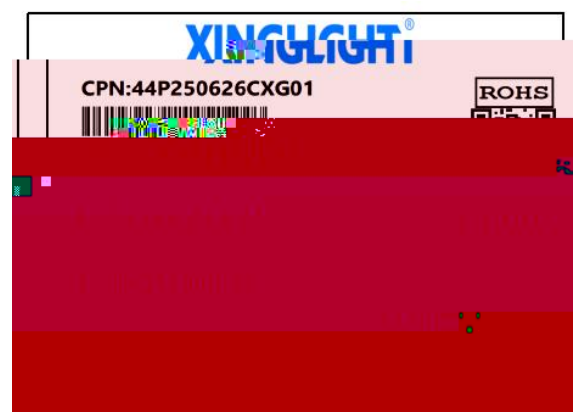
CPN: 批号/档位 LOT: 日期/封装颜色

MPN: 型号 VF: 电压代码

WL: 波长代码 IV: 亮度代码

ORIGIN: 产地 QTY: 数量

PACKAQE: 封装



使用注意事項 (1)

Precautions (1)1. **APPLY**

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 h

使用注意事項 (2)

Precautions (2)

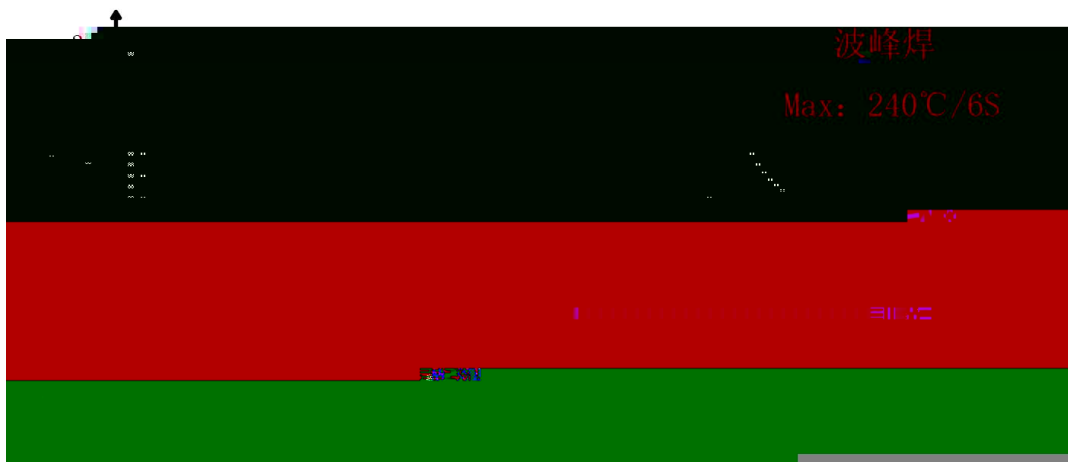
5. Weld

2mm

LED

LED

When welding, welding must be conducted below 2mm of colloid bottom. When welding, try to avoid soaking LED colloid. After welding, avoid adding external force on the pin or shaking LED colloid.



6. Drive way

LED

LED

A

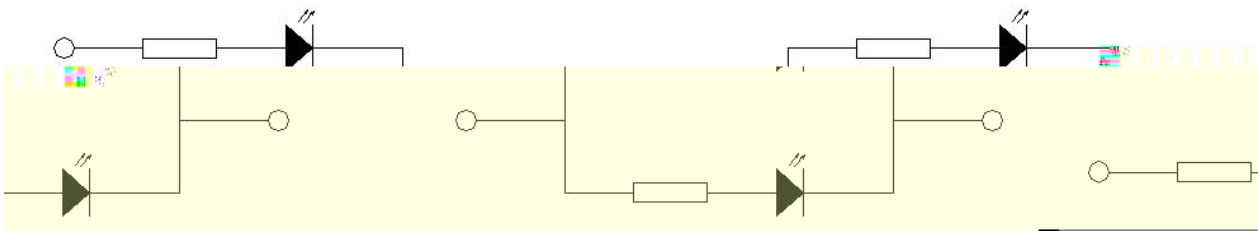
LED

LED

In the current driving mode of LED, if LED is multiple in parallel, it is recommended to use line A and add a flow limit resistance to each LED to ensure the consistent brightness of LED.

Circuit model A

Circuit model B



7. Electrostatic protection

LED

InGaN

HBM<1000V

<100V

High increase of static electricity and current will damage LED. Use antistatic devices such as protective belts and gloves. Note: human discharge mode HBM <1000V; machine discharge mode <100V.

使用注意事項 (3)

Precautions (3)

4