

[00835XJG 18

XL-5000

特点 () :

* : F5/5.5*5.0*8.7*18mm

Appearance dimension: F5/5.5*5.0*8.7*18mm

* : /

Luminous color and colloid: green brightness White /green colloid

* ROHS

Environmental protection products meet ROHS requirements

* MSL :2

Moisture sensitivity level MSL : 2 levels

* EIA

EIA standard packaging

*

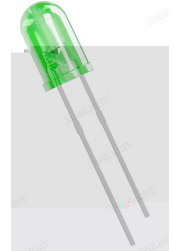
Long operating life

*

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



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电性参数

Consumed power	Pd	70	mW
Max Continuous Forward Current	IF	20	mA
Peak Forward Current	IFp	80	mA
Operating ambient temperature	Topr	-20°C ~ +85°C	
Storage ambient temperature	Tstg	-40°C ~ +85°C	
Welding conditions	Tsol	reflow soldering 240°C 6s manual welding 300°C 3s 2.0mm	

Luminous Intensity	Iv	4000	6000	8000	mcd	IF=20mA
Dominant Wave Length	λ_d	515	520	530	nm	IF=20mA
Peak Wave Length	λ_p	/	525	/	nm	IF=20mA
Forward Voltage	VF	2.8	3.0	3.4	V	IF=20mA
Viewing Angle	2 θ 1/2	/	30	/	deg	IF=20mA
Spectral Width at half height	λ	/	30	/	nm	IF=20mA
Reverse Current	IR	/	/	≤ 10	μA	VR=5V

± 10%

± 0.1V (X,Y)

± 0.01

± 1nm

Note: the light intensity error is 10%; The pressure drop error is ±0.1V ; (X,Y) coordinate deviation ±0.01 wavelength error ±1 nm.



亮度分档

:

代码	最小值	最大值	单位	测试条件
B7	4000	5000	mcd	IF=20mA
B8	5000	6000		
B9	6000	8000		

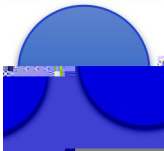
电压分档

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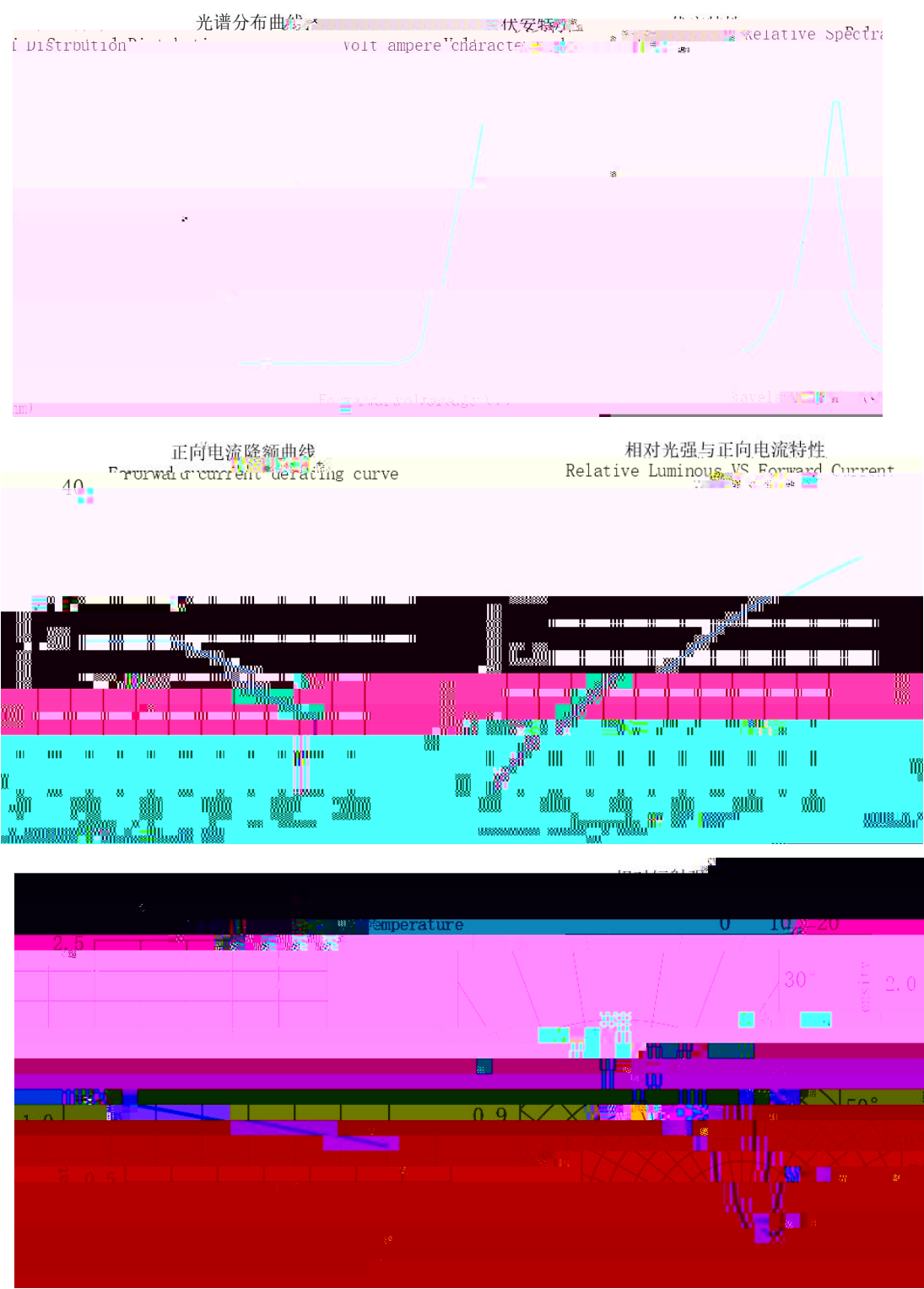
代码	最小值	最大值	单位	测试条件
N13-3	2.8	3.0	V	IF=20mA
N13-4	3.0	3.2		
N13-5	3.2	3.4		

波长分档

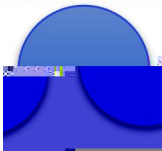
代码	最小值	最大值
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典型特性曲线



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

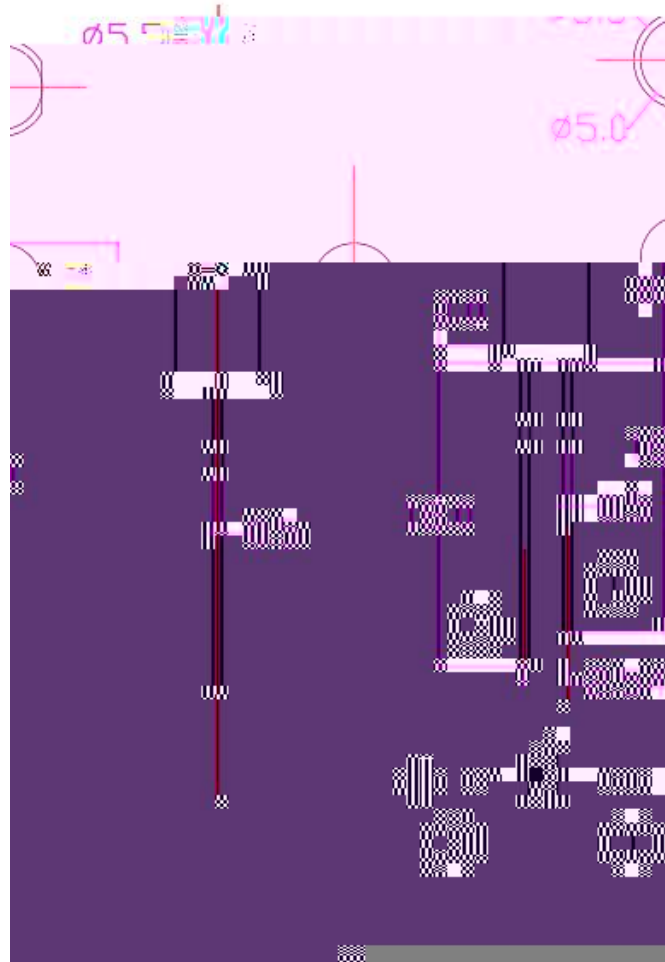


Reliability Test Items And Conditions

Endurance
test

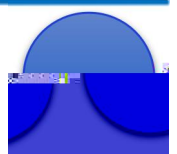


外形尺寸



(Note)

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



包装

*

In Bags

*

Moisture Proof and Anti-Electrostatic Foil Bag



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 equipment, must refer to the information provided by sales.



使用注意事項 (2)

(2)

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.



LED

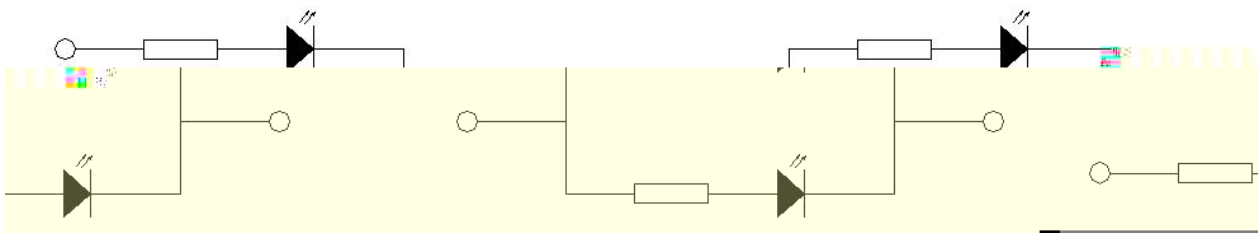
LED

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.



LED

InGaN

HBM<1000V

<100V

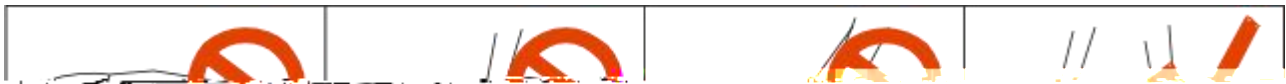
High increase of static electricity and current will damage LED. Use antistatic devices such as protective belts and gloves. Note: human discharge mode HBM <1000V; machine discharge mode <100V.

使用注意事项 ()

8、其他事项:

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*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.

There are any modifications to the

