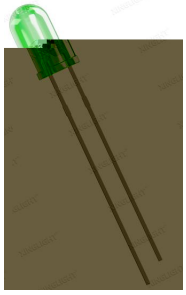
XL-504SYGD F5 技术数据表

特点（ ）：



* : F5/5.5*5.0*8.7*28mm
Appearance dimension: F5/5.5*5.0*8.7*28mm
* 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

Catalogue

XINGLIGHT®

Part No. :XL-50

电参数

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		

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		

电压分档

：

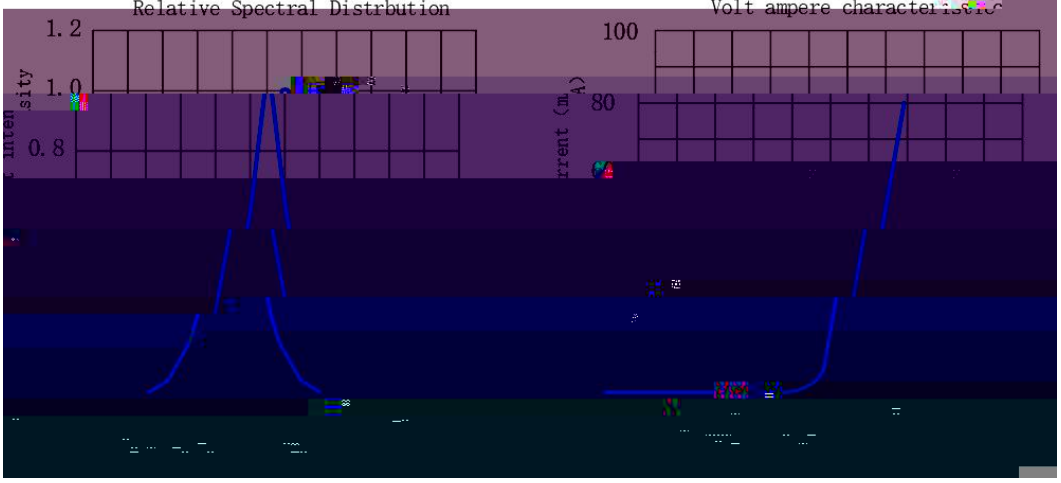
代码	最小值	最大值	单位	测试条件
N12-8	2.0	2.2	V	IF=20mA
N12-9	2.2	2.4		
N13-1	2.4	2.6		

波长分档

代码	最小值	[illegible]	单位	测试条件
HYG02	562.5	565	nm	IF=20mA
HYG03	565	567.5		
HYG04	567.5	570		
HYG05	570	572.5		
HYG06	572.5	575		

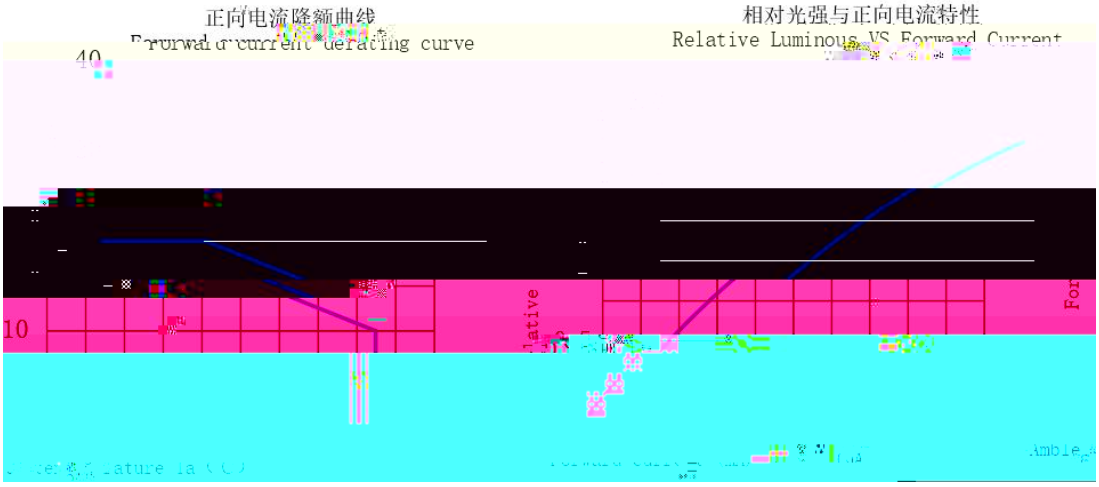
典型特性曲线

光谱分布曲线
Relative Spectral Distrbution



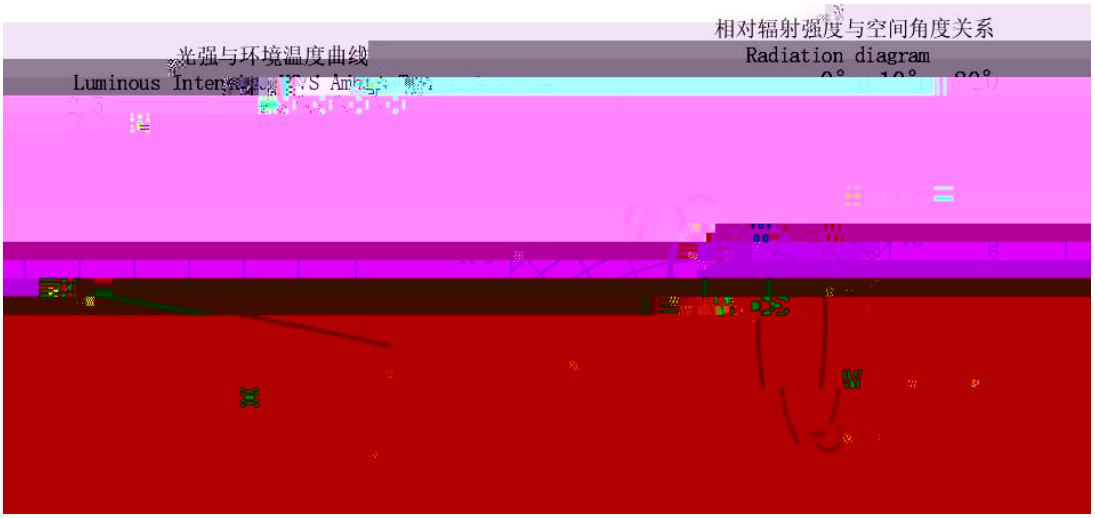
伏安特性
Volt ampere characteristic

正向电流降额曲线
Forward current derating curve



相对光强与正向电流特性
Relative Luminous VS Forward Current

光强与环境温度曲线
Luminous Intensity VS Ambient Temperature



相对辐射强度与空间角度关系
Radiation diagram

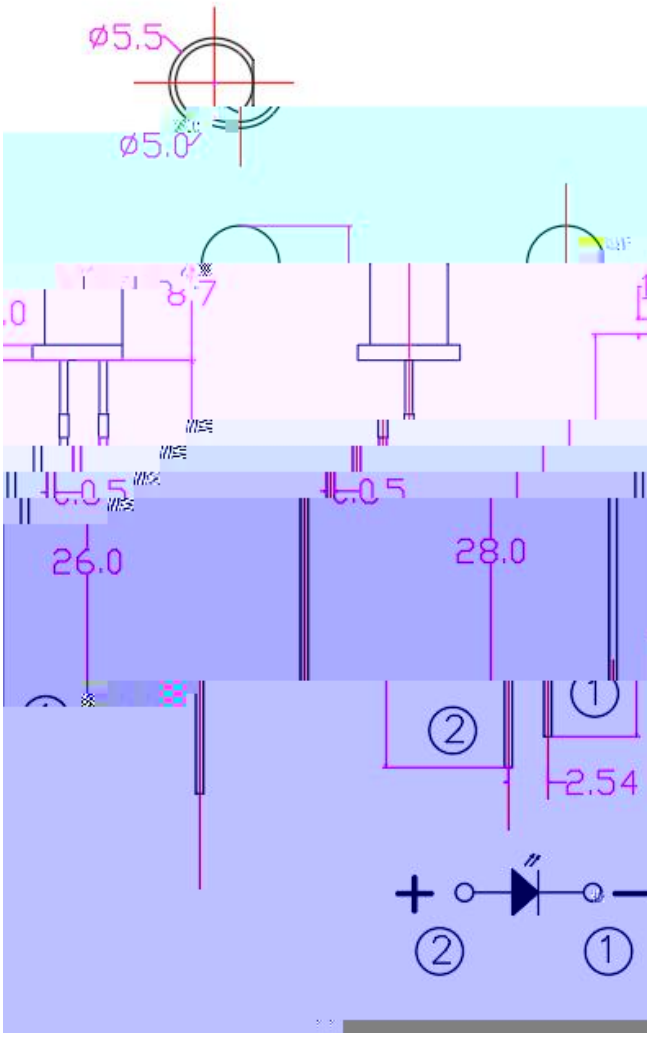
25±5 /Note If not otherwise indicated the test environment temp erature is 25±5

可靠性试验

Reliability Test Items And Conditions

Class	Test item	Testing environment	Testing time	Qty	Failqty
Endurance test					

外形尺寸



(Note)

1. ㄧ β

Dimensions are in millimeters.

2. ≠ ¨Ḥ ˋE ± 0.50㎜ .

Tolerances unless mentioned are ± 0.50mm.

包装

*
In Bags

*
Moisture Proof and Anti-Electrostatic Foil Bag

使用注意事项（）

1

LED ą ɢ ˢ ᵖ W`E Ḥ LED ضي ˢ ˜

ˈ ˊ ᒪ ǐ ٧ ڪ ǟ ڤ ᒪ ą

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 reliabilityrequirements, such as air transportation, traffic control and medical liao equipment, must refer to the information provided by sales.

Ũ

LED 30 70% LEDضي ٨ ˊ ą

٧ ضي ṗ ٧ ᒉ ˜Ḥ ˜

Storage environment of LED th temperature not exceeding 30 and relative humidity not exceeding 70%.It is recommended that LDE be in the original box for no more than three months. If longer storage time is required, put it in th bo o

r

Specia ust olloidal

n m oc e

2 mm ll b

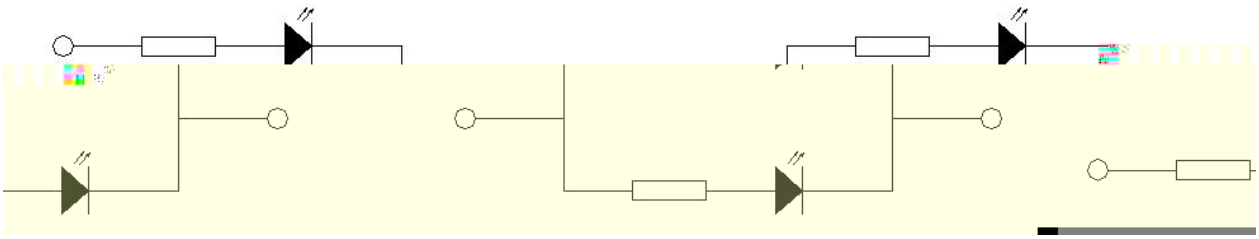
使用注意事项（ ）

ضي r 2mm γ ضي ζ ڜ LED r ضي ↕ U
ڜ ضي ٧ ζ ⌐ LED r

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 ضي LED ٧ γ Ḡ 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.



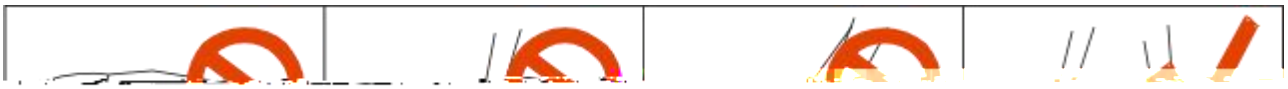
غ ▲ ٦ Ψ LED InGaN ↓ ج ą ą غ
ą ¬ r HBM<1000V ك <100V

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

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 pro oxy resin, be careful.