

XL-2520SURC/T

技术数据表 Technical Data Sheet

2520 红光 直插式LED

特点 (characteristic) :

- * L/W/H :2.1*2.3*2.6*Ø1.8mm
Appearance dimension (L / w / h): 2.1*2.3*2.6*Ø1.8mm
- * : /
Luminous color and colloid: Red Light /Water 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

目录

Catalogue

Electrical Characteristics.....3

Typical Characteristic Curves.....5

Outline Dimensions.....6

Packaging..... 7

Precautions..... 8

电性参数

Electrical Characteristics

Absolute Maximum Ratings Ta=25

Parameter	Symbol	Value
Max Power Dissipation	PD	50
Max Continuous Forward Current	IF	20
Peak Forward Current	IFP	80
Max Reverse Voltage	VR	5
Antistatic ability	ESD	2000
Operating Temperature Range	TOPR	-20 ~ +85 C
Storage Temperature Range	TSTR	-40 ~ +85 C
Welding conditions	Tsol	reflow solder manual weld

Initial Electrical Optical Characteristics Ta=25

Parameter	Symbol	Min.	Typ.	Max.	Unit	Test conditions
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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
B1	1500	1800	mcd	IF=20mA
B2	1800	2100		
B3	2100	2500		
B4	2500	3000		

电压分档:

Voltage grading:

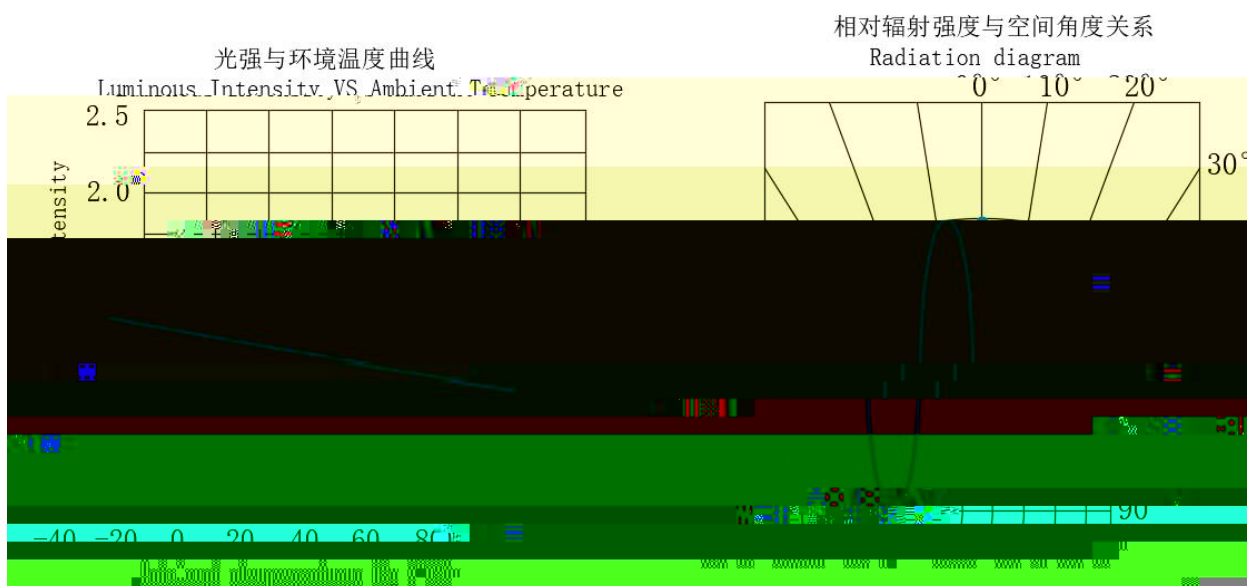
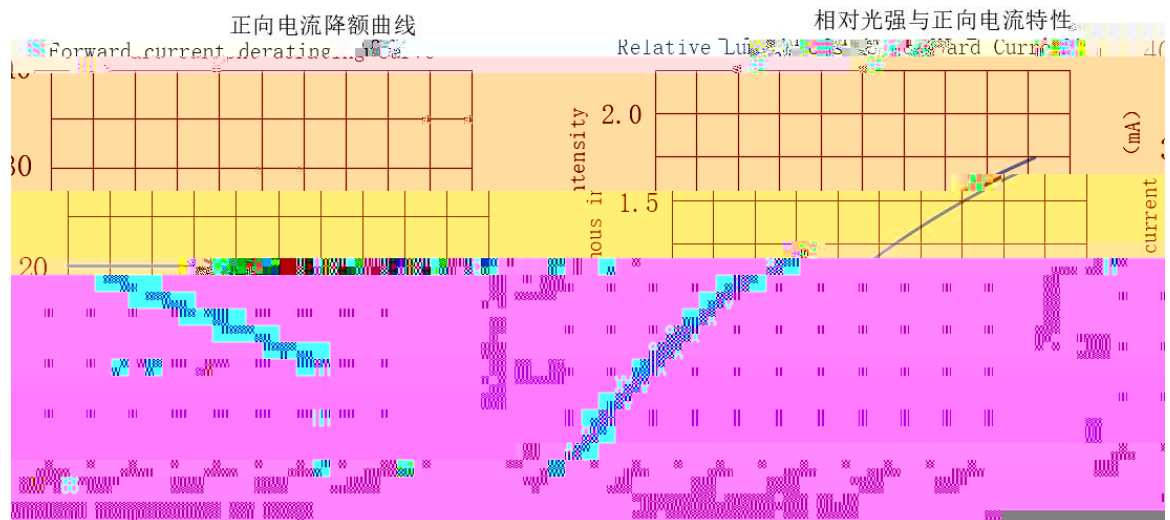
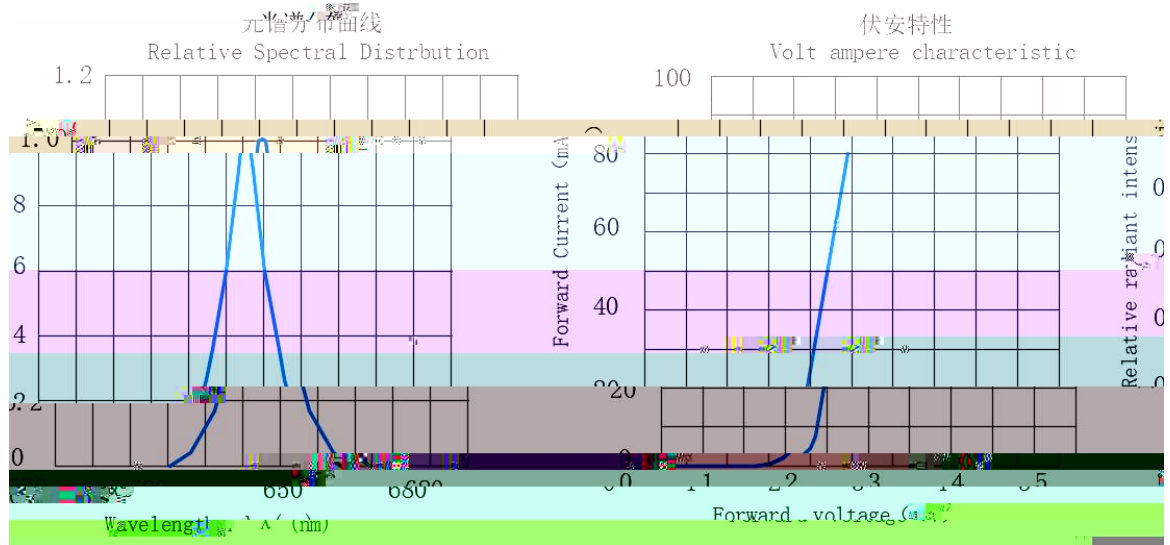
代码 Code	最小值 Min	最大值 Max	单位 Unit	测试条件 Test conditions
N12-7	1.8	2.0	V	IF=20mA
N12-8	2.0	2.2		
N12-9	2.2	2.4		

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
HR01	615	620	nm	IF=20mA
HR02	620	625		
HR03	625	630		

Typical Characteristics Curves



包装

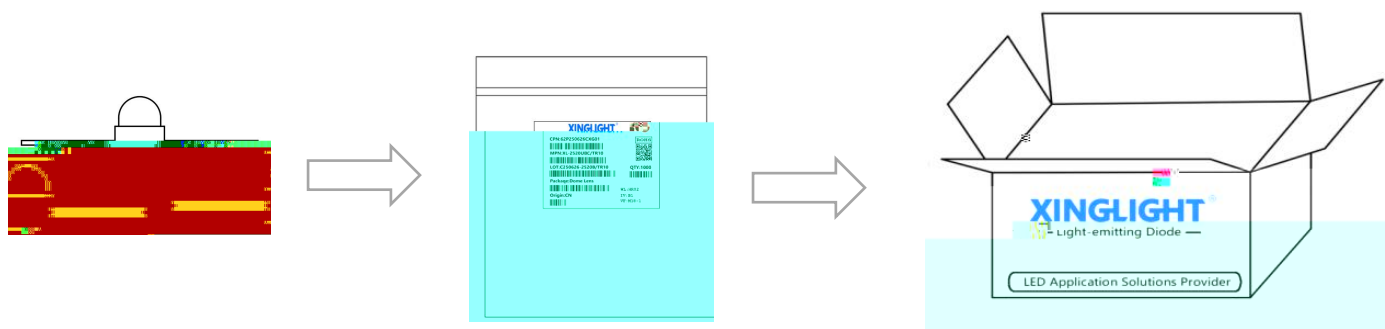
Packaging

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In Bags

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Moisture Proof and Anti-Electrostatic Foil Bag



标签说明 Label Explanation..

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	



焊接指导

The wave peak welding curve is recommended :

Note

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Lead solder temperature profile

2 4

Suggest one wave soldering frequency

3 4

LED

When soldering, do not put stress on the LED during heating

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After soldering, do not warp the circuit board

5 4

240Ñ/6S

The recommended maximum welding temperature for the

使用注意事項 (1)

Precautions (1)

1. 貯存:

Storage

Moisture proof and anti-electrostatic package with moisture absorbent material is used, to keep moisture to a minimum.

Before opening the package, the product should be kept at 30℃ or less and humidity less than 60% RH, and be used within a year.

After opening the package, the product should be stored at 30℃ or less and humidity less than 40%RH, and be soldered within 168 hours (7 days). It is recommended that the product be operated at the workshop condition of 30℃ or less and humidity less than 60%RH.

If the moisture absorbent material has fade away or the LEDs have exceeded the storage time, baking treatment should be performed based on the following condition: (60 ± 5)℃ for 24 hours.

2.

Static Electricity

Static electricity or surge voltage damages the LEDs. Damaged LEDs will show some unusual characteristic such as the forward voltage becomes lower, or the LEDs do not light at the low current. even not light. All devices, equipment and machinery must be properly grounded. At the same time, it is recommended that wrist hands or anti-static wrist glom

使用注意事項 (2)

Precautions (2)

設計建議

Design Consideration

* LED
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A LED

使用注意事项 (3)

Precautions (3)

4、其他事项:

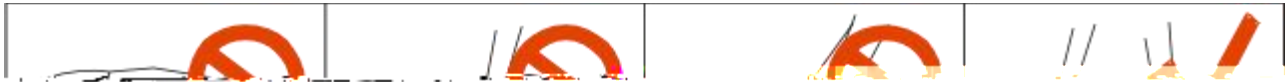
Others

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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

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*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.

5、眼睛保护忠告:

Safety Advice For Human Eyes

*LED

LED

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*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 s