XL-2520UBC/T 技术数据表 Technical Data Sheet

2520蓝光 [redacted]

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: Blue Light /Water colloid

ROHS

Environmental protection products meet ROHS requirements

Moisture sensitivity level MSL : 2 levels

EIA

EIA standard packaging

Long operating life

Reduced maintenanc ve

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
A8 A9	900 :	1200	mcd	IF=20mA

电压分档:

Voltage grading:

波长分档:

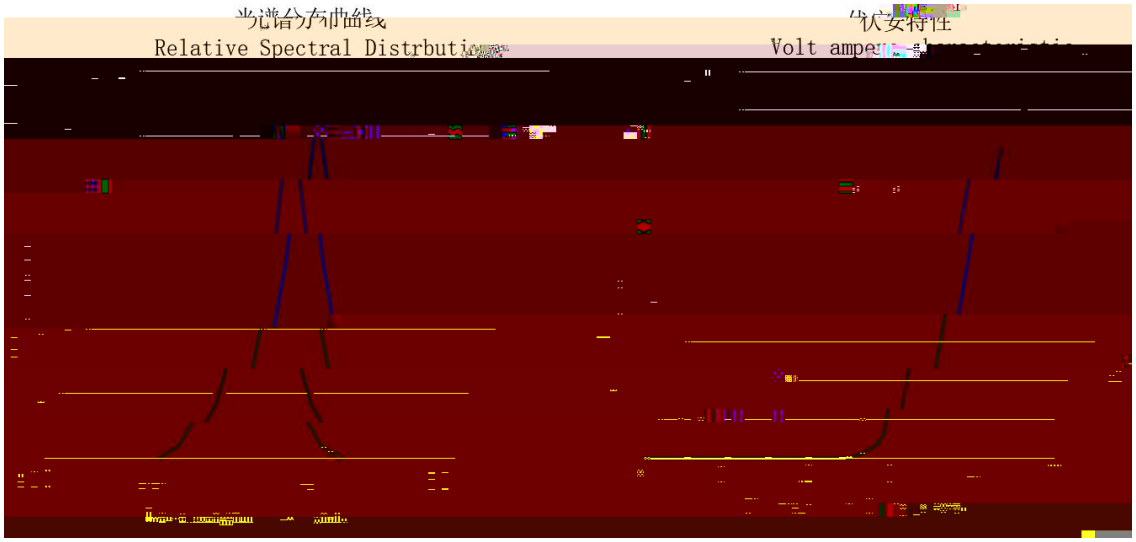
Wavelength grading:

典型特性曲线

Typical Characteristics Curves

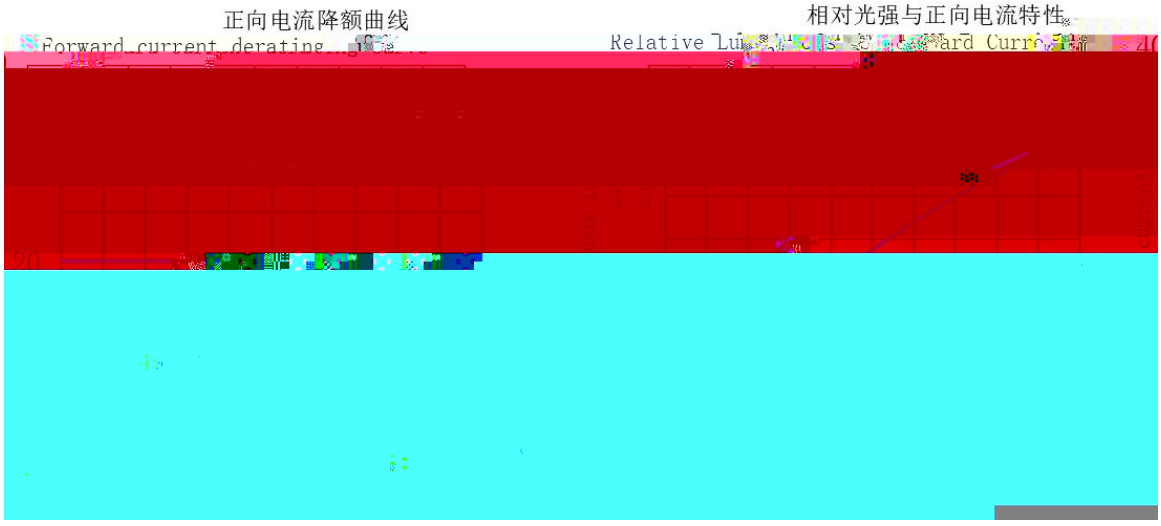
光谱分布曲线
Relative Spectral Distrbuti

伏安特性
Volt amper



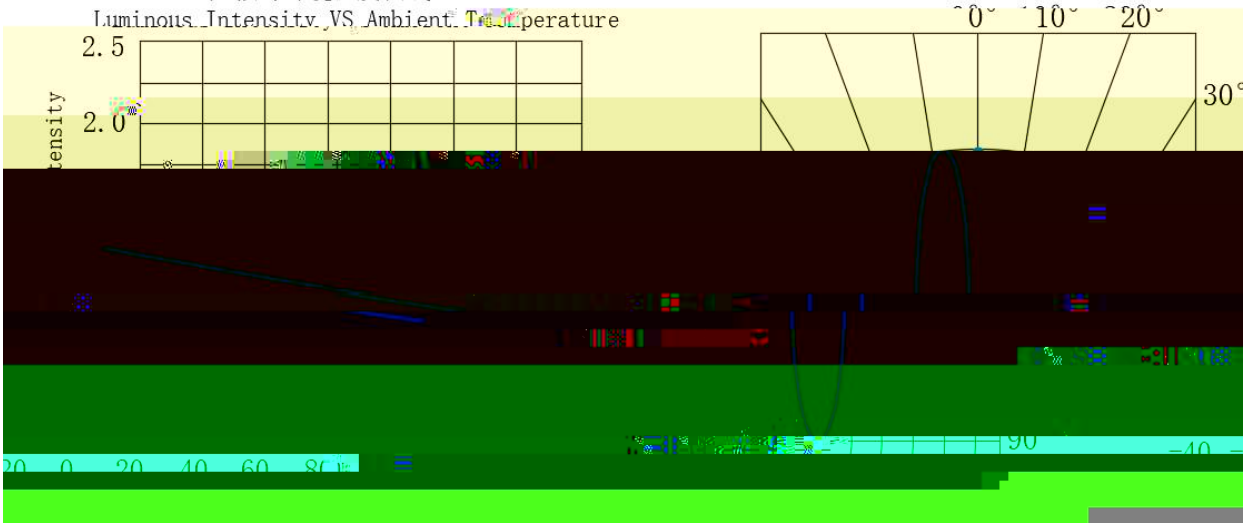
正向电流降额曲线
Forward current derating

相对光强与正向电流特性
Relative Lu ard Curr



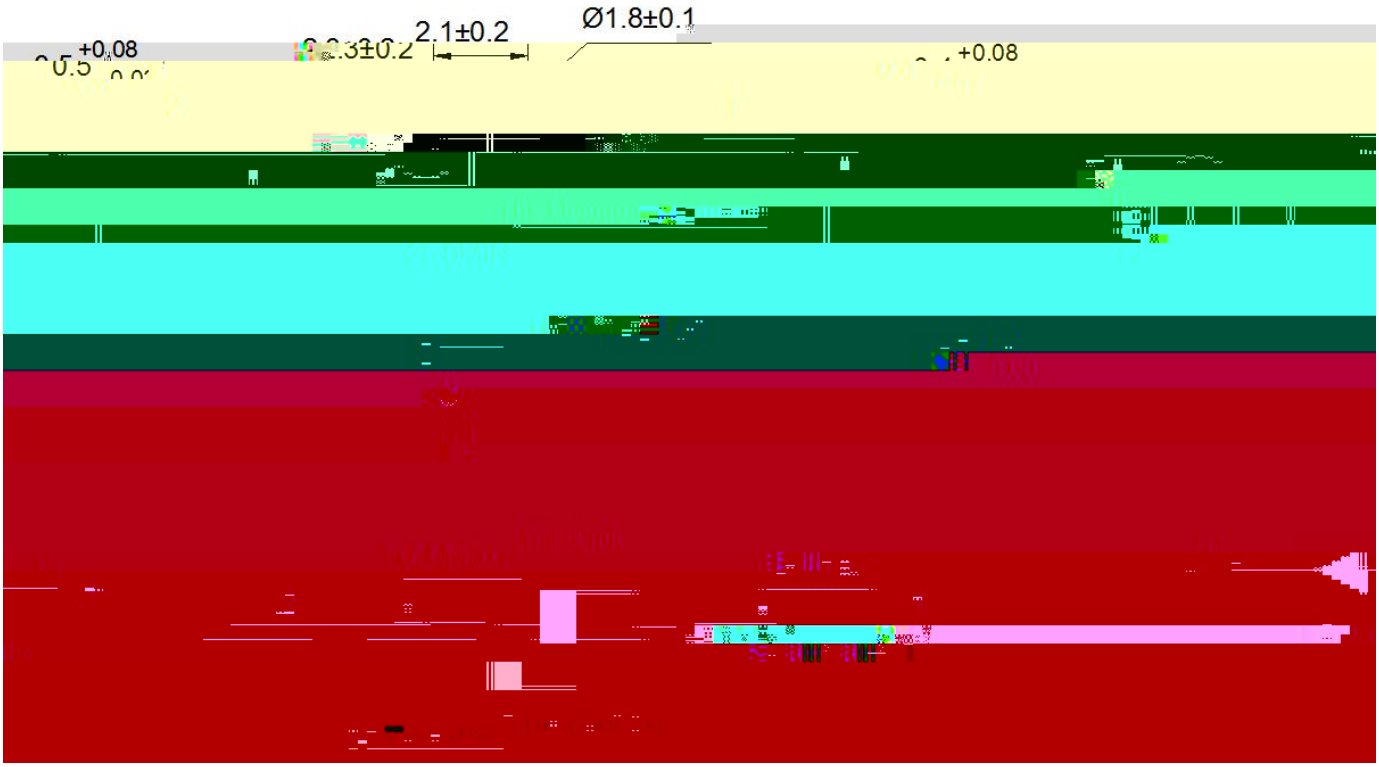
光强与环境温度曲线
Luminous Intensity VS Ambient Temperature

相对辐射强度与空间角度关系
Radiation diagram



外形尺寸

Outline Dimension



(Note)

Dimensions are in millimeters.

± 0.10

Tolerances unless mentioned are ± 0.10mm.

包装

Packaging

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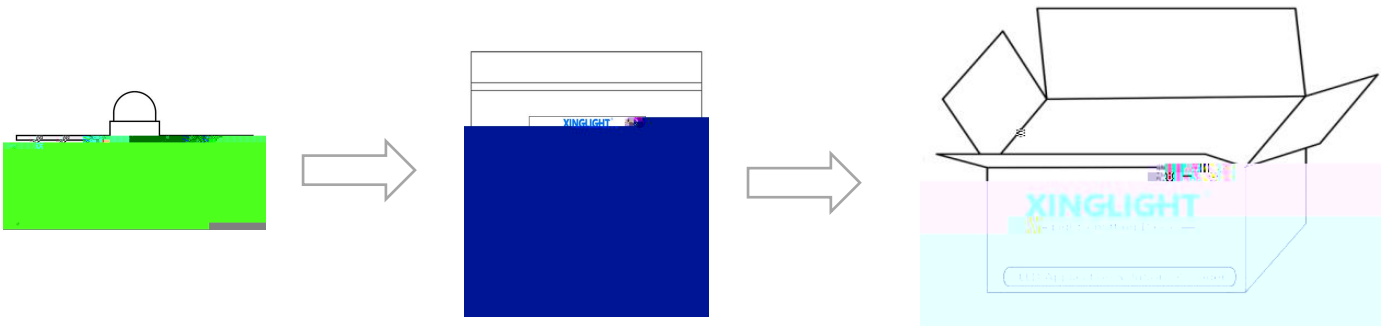
In Bags

*

Moisture Proof and Anti-Electrostatic Foil Bag



焊接指导

The wave peak welding curve is recommended :

Note

1

Lead solder temperature profile

2

Suggest one wave soldering frequency

3 LED

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

4

After soldering, do not warp the circuit board

5 240 /6S

The recommended maximum welding temperature for the product is 240 /6s

使用注意事项（1）

Precautions (1)

1. 贮存：

Storage

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

30 60%RH

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.

30

使用注意事项（2）

Precautions (2)

、设计建议

Design Consideration

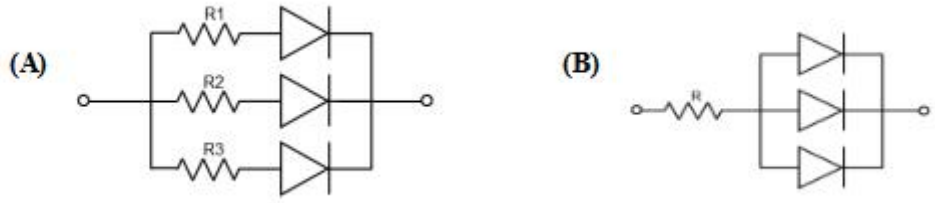
LED

A LED B

LED V_F LED

In designing a circuit, the current through each LED must not exceed the absolute maximum rating specified for each LED. In the meanwhile, resistors for protection should be applied, otherwise slight voltage shift will cause big current change, burn out may happen.

It is recommended to use Circuit A which regulates the current flowing through each LED rather than Circuit B. When driving LEDs with a constant voltage in Circuit B, the current through the LEDs may vary due to the variation in Forward Voltage (V_F) of the LEDs. In the worst case, some LED may be subjected to stresses in excess of the Absolute Maximum Rating.



LED LED

Thermal Design is paramount importance because heat generation may result in the Characteristics decline, such as brightness decreased, Color changed and so on. Please consider the heat generation of the LEDs when making the system design.

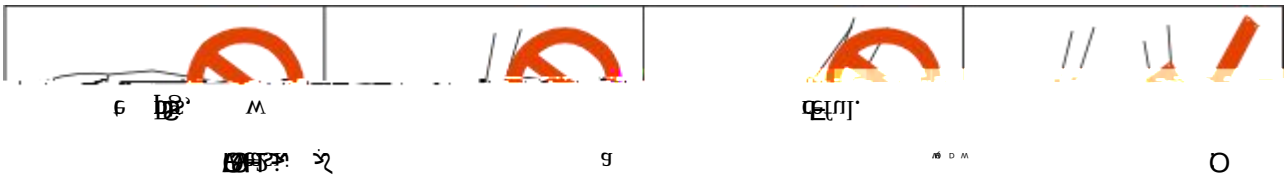
使用注意事项（3）

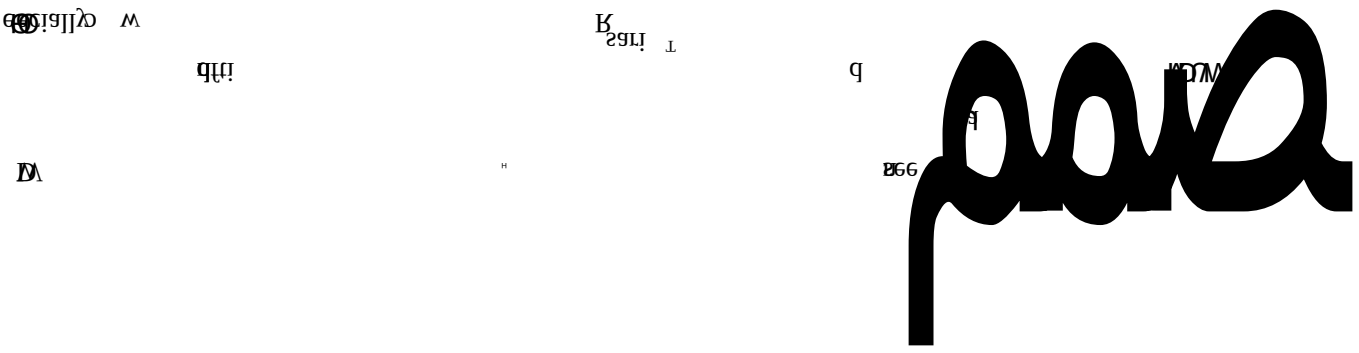
Precautions (3)

4、其他事项：

Others

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.