XL-B324SURSYGW 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 / Aerosol colloid

* ROHS

Environmental protection products meet ROH ḠHt

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## 电性参数

### Electrical Characteristics

**Absolute Maximum Ratings Ta=25**

| Parameter | Symbol | Red | YG | Unit |
|---|---|---|---|---|
| Max Power Dissipation | PD | 50 | 50 | mW |
| Max Continuous Forward Current | IF | 20 | 20 | mA |
| Peak Forward Current | IFP | 80 | 80 | mA |
| Operating Temperature Range | TOPR | -20 ~ +85 C | | |
| Storage Temperature Range | TSTR | -40 ~ +85 C | | |
| / Lead Soldering Temperature/Time | TSOL | reflow sold | | |

**亮度分档:**

**Brightness grading:**

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

**电压分档:**

**Voltage grading:**

| 代码<br>Code | 最小值<br>Min | 最大值<br>Max | 单位<br>Unit | 测试条件<br>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 | | |

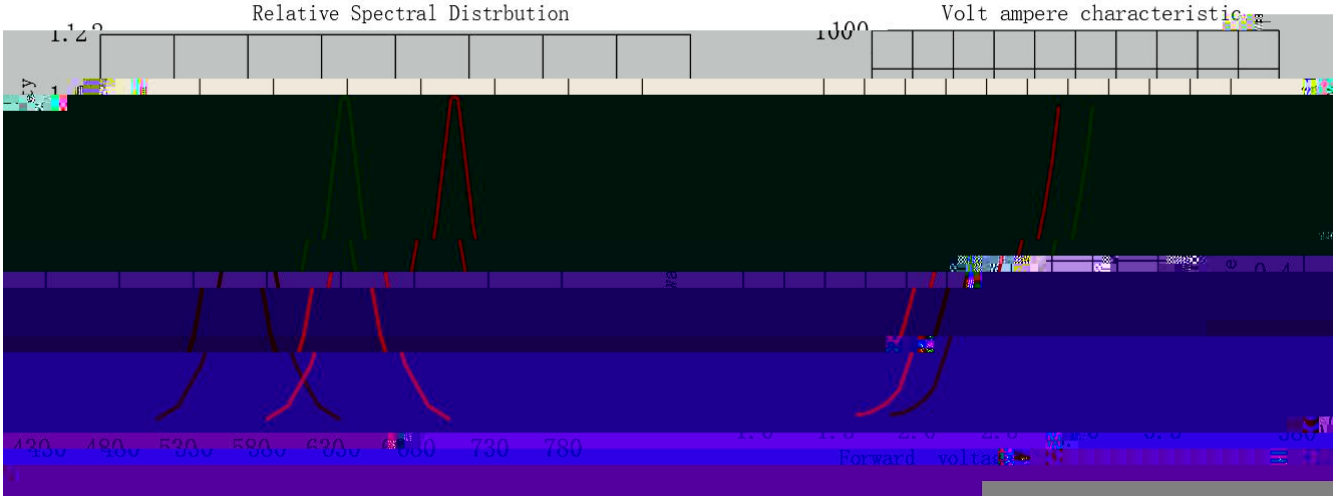
**波长分档:**

**Wavelength grading:**

| 代码<br>Code | 最小值<br>Min | 最大值<br>Max | 单位<br>Unit | 测试条件<br>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 | | |

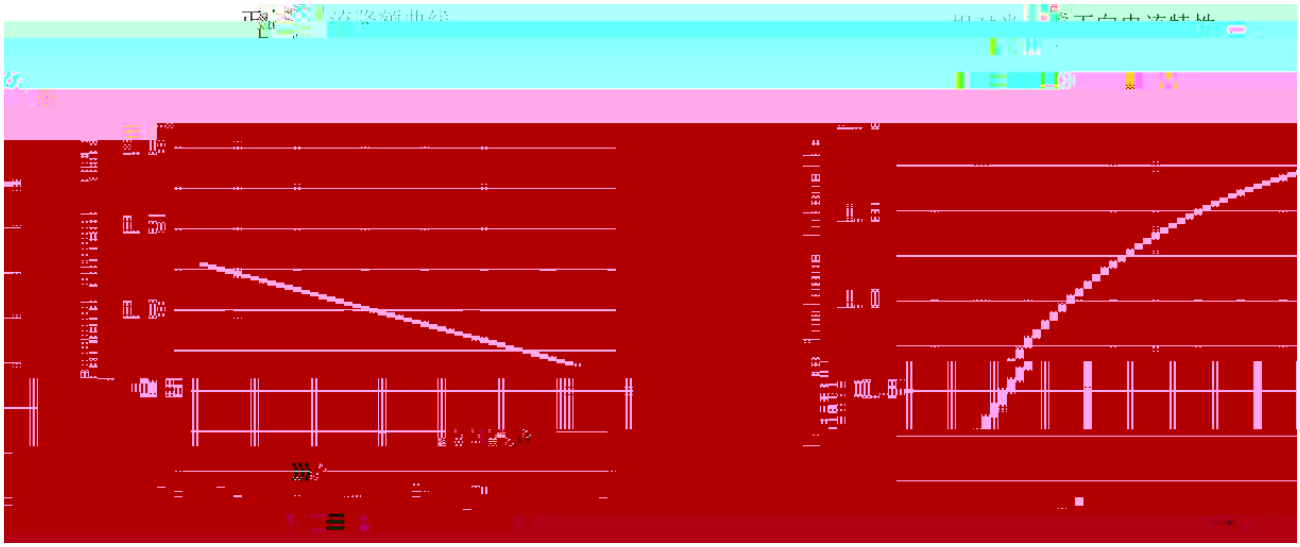
## Typical Characteristics Curves

光谱分布曲线
Relative Spectral Distrbution

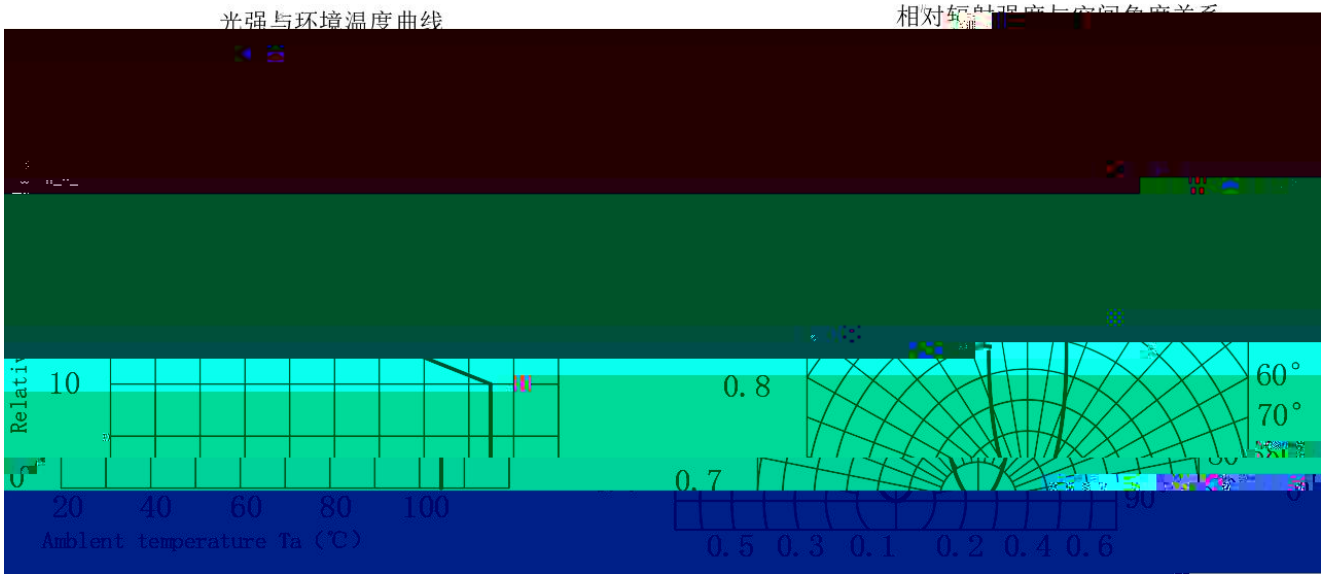



伏安特性
Volt ampere characteristic



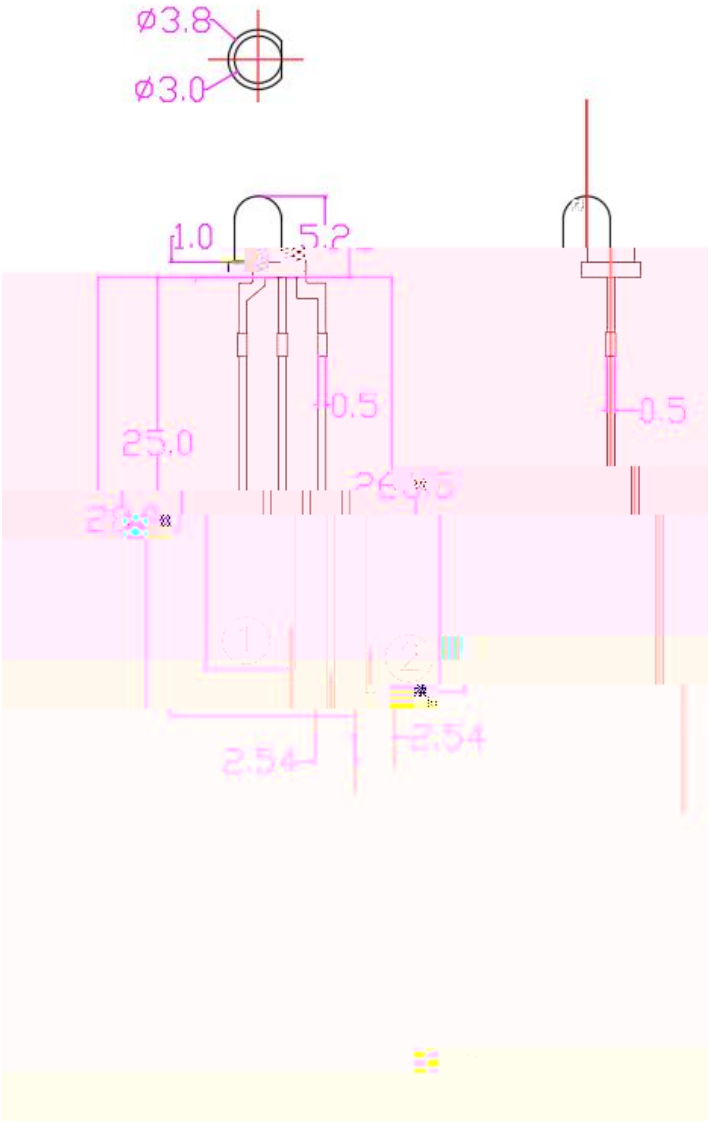



光强与环境温度曲线



# 外形尺寸

**Outline Dimension**




(Note)

1.

Dimensions are in millimeters.

2. Ñ 0.50mm .

Tolerances unless mentioned are Ñ 0.50mm.

# 包装

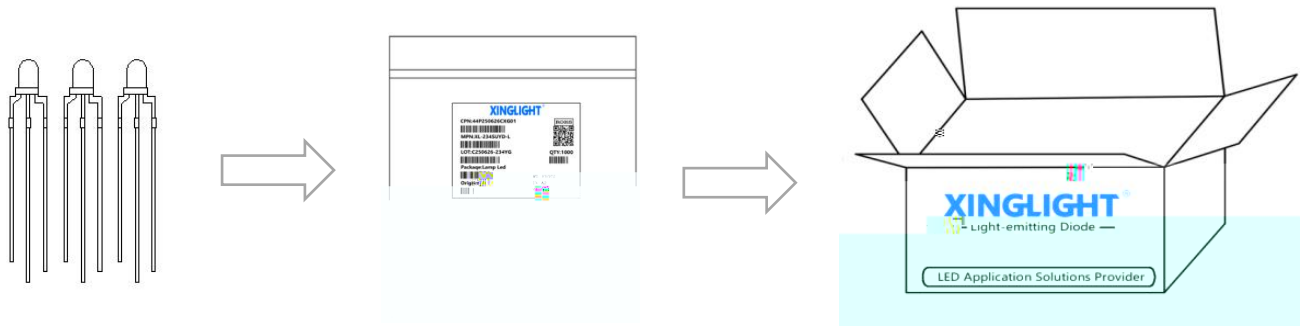
**Packaging**

*

In Bags

*

Moisture Proof and Anti-Electrostatic Foil Bag



# 使用注意事项（2）

## Precautions (2)

**5. Weld**

2mm LED
LED

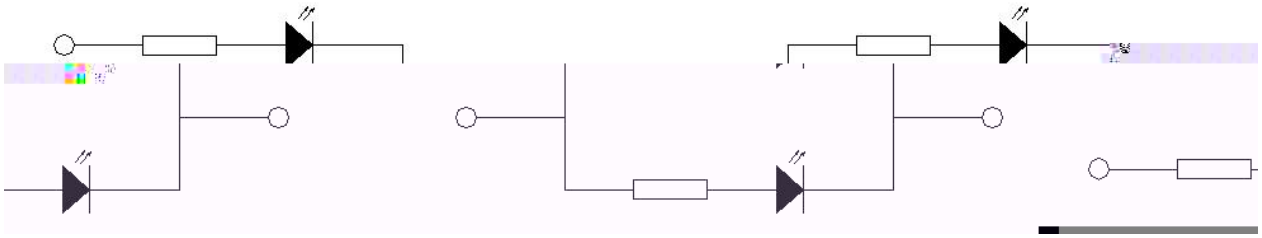
When welding, welding must be conducted below 2mm of colloid bottom. When welding, try to avoid soaking LED colloid. After welding, avoid adding external force on the pin or shaking LED colloid.

**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.