**XL-DZT502UBD1　F5**　[redacted]　**Technical Data Sheet**

## 特点（characteristic）：

*　　:F5/11.3*15.0*10.3mm
Appearance dimension: F5/11.3*15.0*10.3mm
*　　:　/
Luminous color and colloid: blue br

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电性参数

## Electrical Characteristics

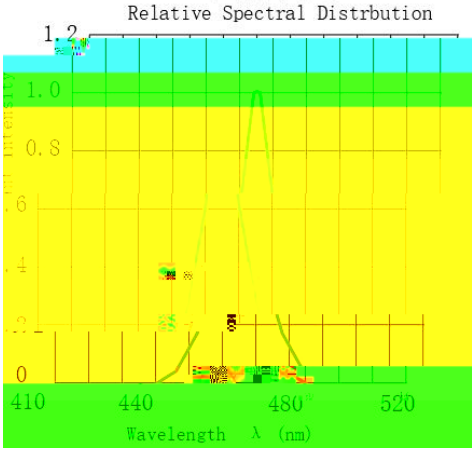
**Absolute Maximum [redacted]ings Ta=25**

| Parameter | Symbol | Rating | Unit |
|---|---|---|---|
| Consumed power | Pd | 70 | mW |
| Max Continuous Forward Current | IF | 'r W ن كِ | |

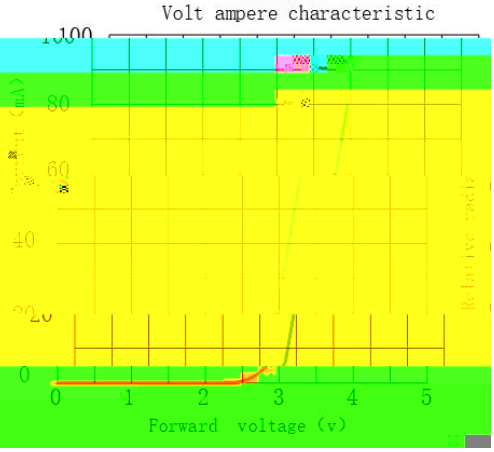
# 典型特性曲线

## Typical Characteristics Curves

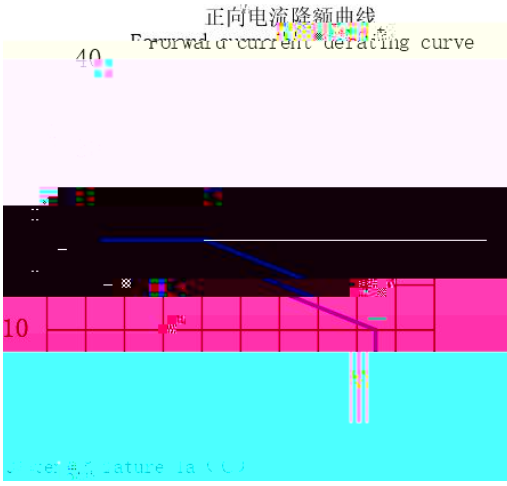
光谱分布曲线
Relative Spectral Distrbution



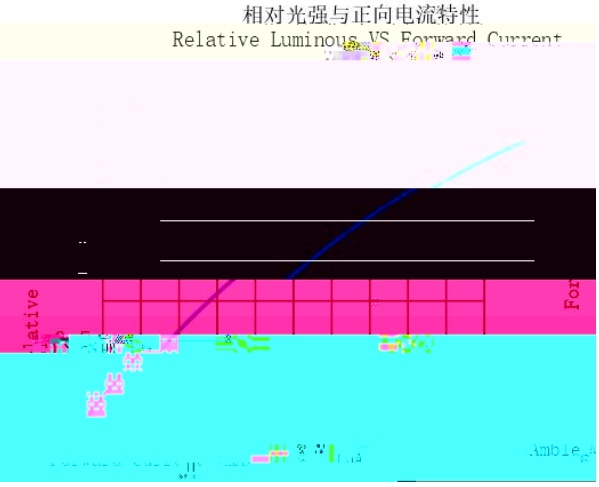

伏安特性
Volt ampere characteristic



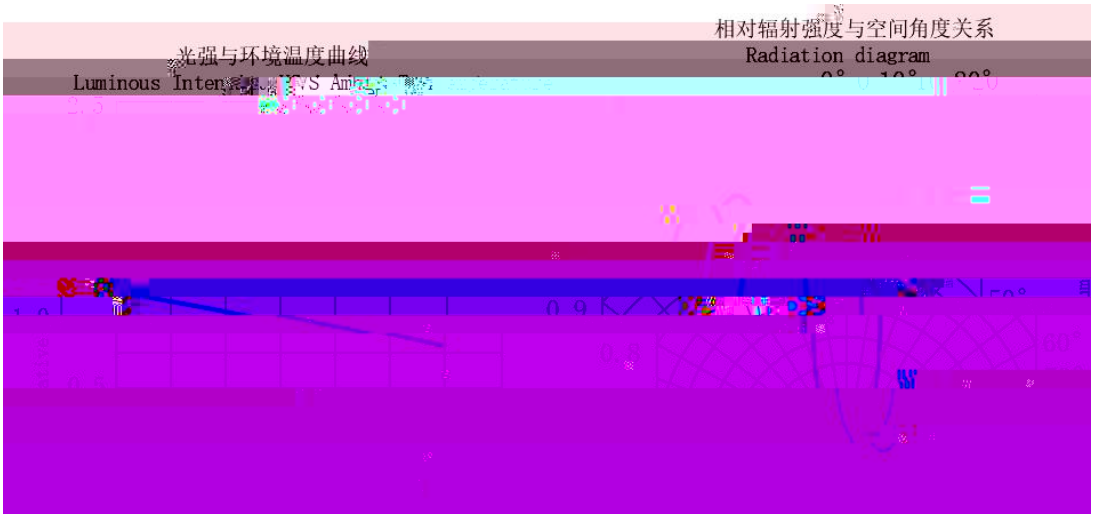

正向电流降额曲线




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



相对辐射强度与空间角度关系
Radiation diagram

: 25 + 5 C./Note: If not otherwise indicated, the test environment temperature is 25 + 5 C.

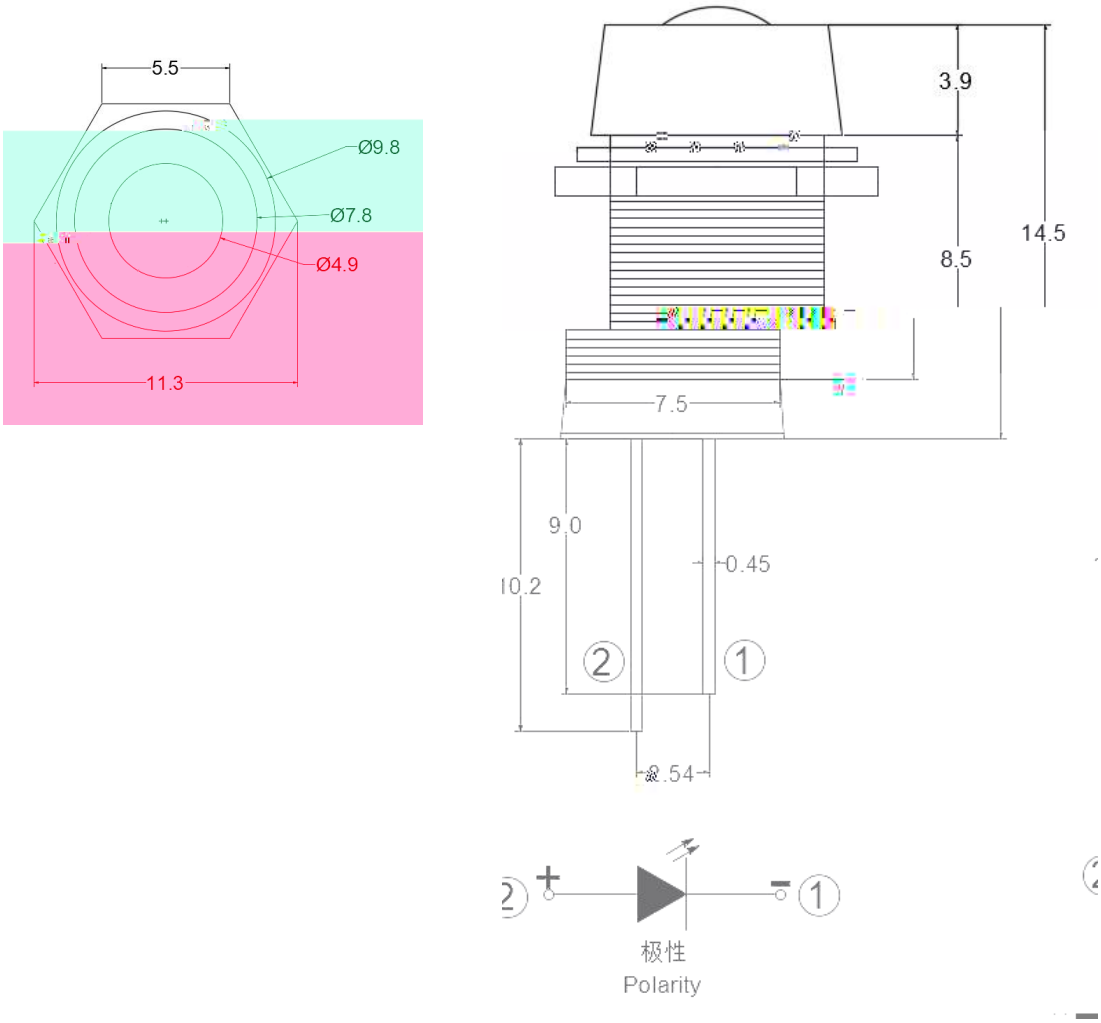
# 可靠性试验

## Reliability Test Items And Conditions

| Class | Test item | Testing environment | Testing time | Qty | Fail qty |
|---|---|---|---|---|---|
| Endurance test | Working life | Ta=25 ±5 ,IF=20mA | 1000hrs | 22 PCS | 0/1 |
| | High temperature and high humidity experiment | Ta= 85±5 , RH= 85 90% | 1000hrs | 22 PCS | 0/1 |
| | High-temperature storage | Ta= 85±5 | 1000hrs | 22 PCS | 0/1 |
| | Low temperature storage | Ta= -40±5 | 1000hrs | 22 PCS | 0/1 |
| Environmental testing | Cold and hot cycle | 100 ±5 30mins 5mins -40 ±5 30mins | 100 Circles | 22 PCS | 0/1 |
| | Hot and cold impact | 105 ±5 5mins -45 ±5 5mins | 100 Circles | 22 PCS | |

# 外形尺寸

**Outline Dimension**




(Note)

1.

Dimensions are in millimeters.

2. ± 0.25mm .

Tolerances unless mentioned are ± 0.25mm.

# 包装

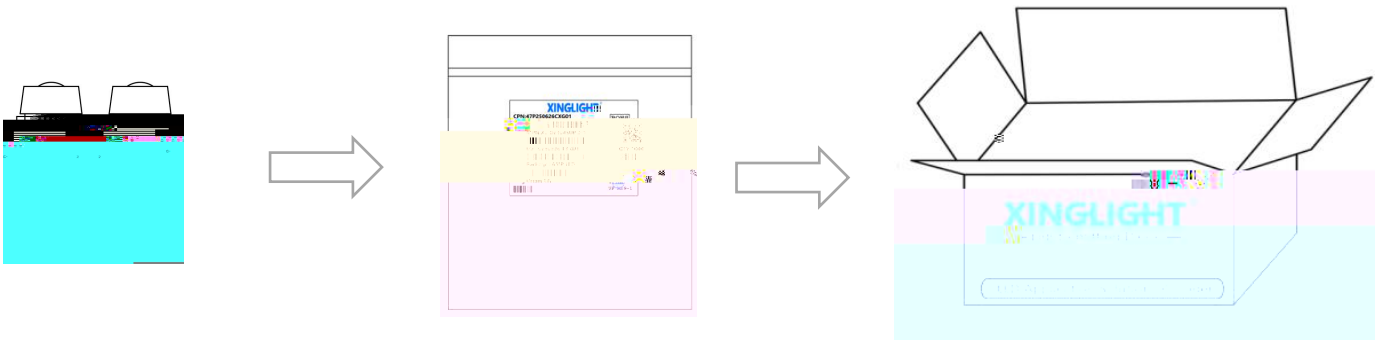
**Packaging**

*

In Bags

*

Moisture Proof and Anti-Electrostatic Foil Bag



## 使用注意事项（1）

### Precautions (1)

1.

LED LED V

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 aircraft transportation, traffic control and medical liao equip st refer to t on vided by s

**2.** **Keep in storage**

ide v

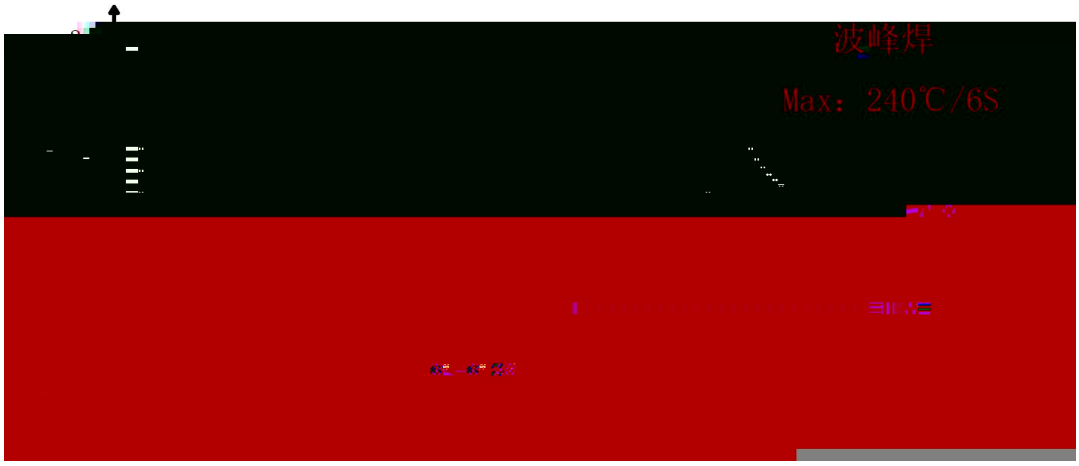
使用注意事项（2）

## 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.

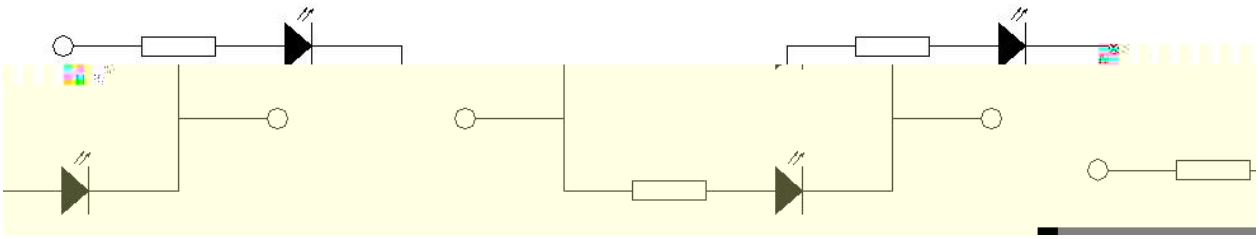



**6. Drive way**

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.

# 使用注意事项（3）

# Precautions (3)

**8、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.