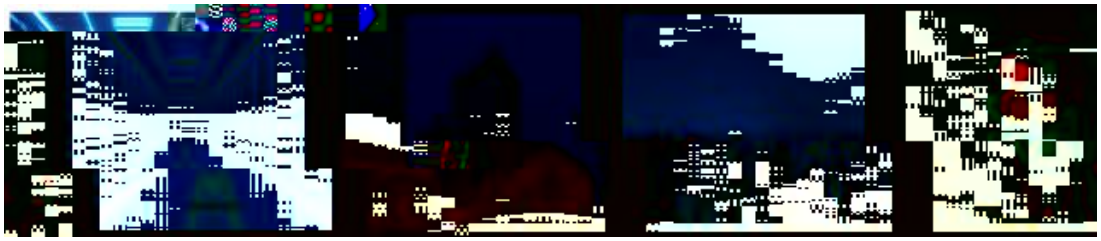
XL-502SYGC F5 技术数据表

## 特点（ ）：

* : F5/5.5*5.0*8.7*18mm
Appearance dimension: F5/5.5*5.0*8.7*18mm
* : /
Luminous color and colloid: green brightness White /water colloid
* 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

电性参数

| | | | |
|---|---|---|---|
| | | | |
| Max Continuous Forward Current | | | |
| | | | |
| | | | |
| | | | |
| | | | |

| | | | | | | |
|---|---|---|---|---|---|---|
| Luminous Intensity | Iv | 300 | 500 | 700 | mcd | IF=20mA |
| Dominant Wave Length | λd | 565 | / | 575 | nm | IF=20mA |
| Peak Wave Length | λp | / | 570 | / | nm | IF=20mA |
| Forward Voltage | VF | 2.0 | 2.2 | 2.6 | V | IF=20mA |
| Viewing Angle | 2Ø1/2 | / | 30 | / | deg | IF=20mA |
| Spectral Width at half height | λ | / | 30 | / | nm | IF=20mA |
| Reverse Current | IR | / | / | ≤10 | μA | VR=5V |

±10% ±0.1V (X,Y) ±0.01 ±1nm

Note: the light intensity error is ±10%-ex

**亮度分档**

：

| 代码 | 最小值 |
| --- | --- |

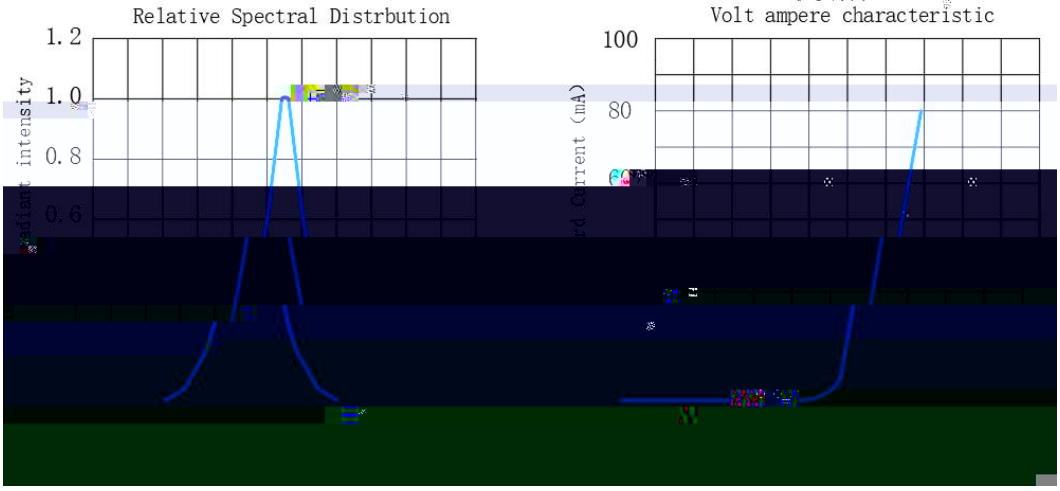
**电压分档**

：

**波长分档**

# 典型特性曲线

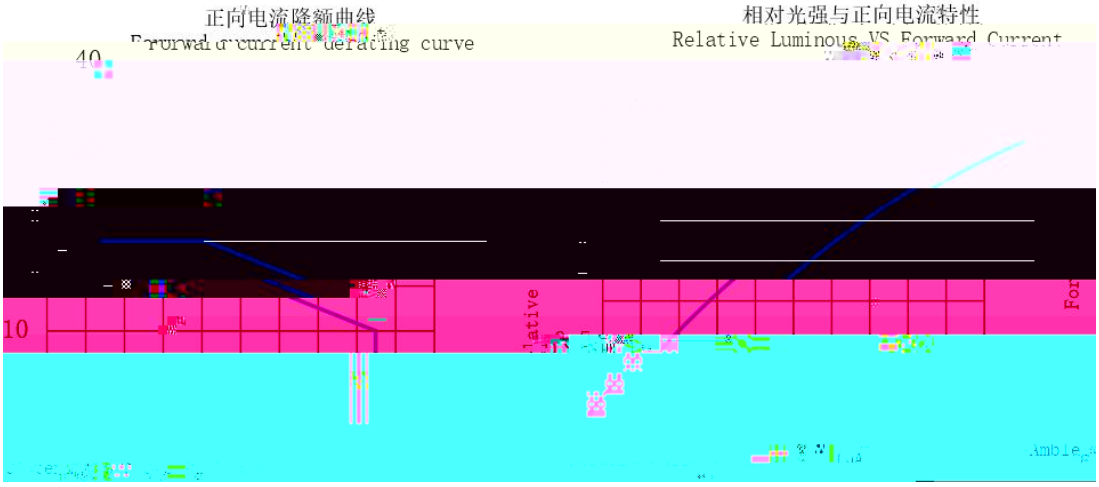
光谱分布曲线
Relative Spectral Distrbution




伏安特性
Volt ampere characteristic



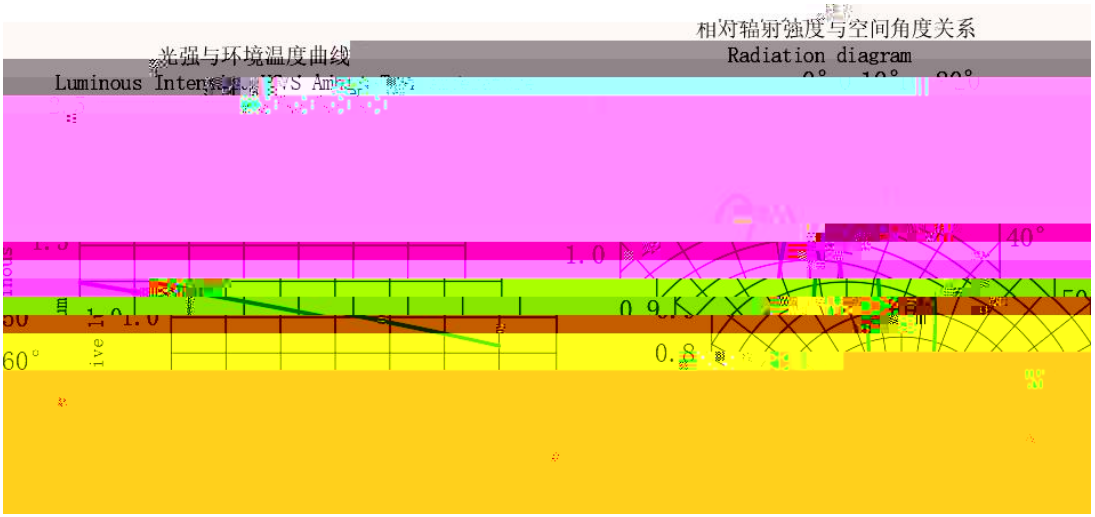

正向电流降额曲线




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

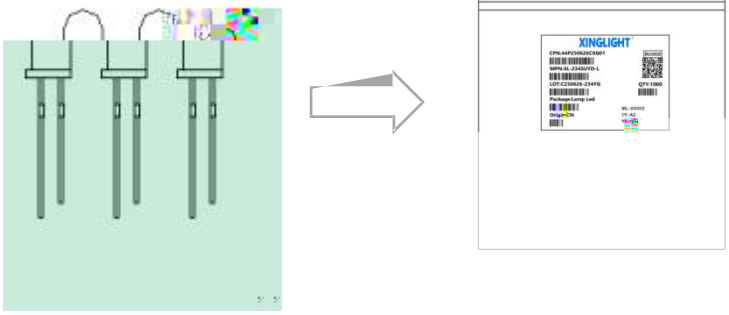
## 可靠性试验

Reliability Test Items And Conditions

| | | | | | |
|---|---|---|---|---|---|
| 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 | 0/1 |
| Mechanical Test | Resistance to Soldering Heat | T.sol= 250 ± 5 | 2times | 22 PCS | 0/1 |
| | Lead Integrity | Load 2.5N(0.25kgf) 0°~ 90° ~0° | 3times | 22 PCS | 0/1 |

# 外形尺寸

# 包装



## 使用注意事项(1)

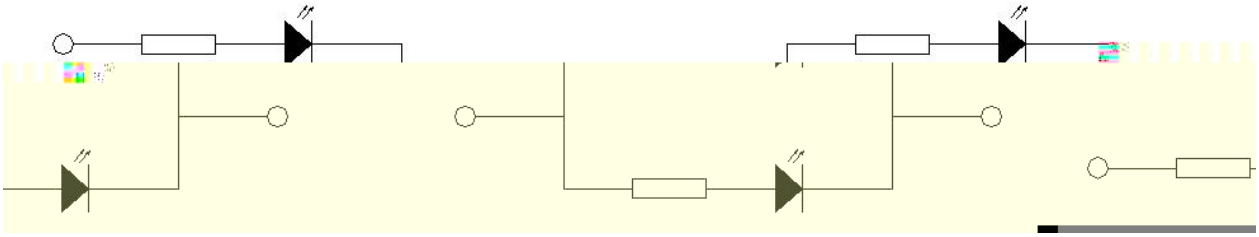
LED

使用注意事项(2)

(2)

LED

LED

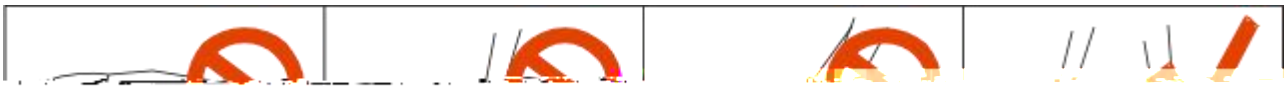


## 使用注意事项（）

**8、其他事项：**

*

*



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**9、眼睛保护忠告：**

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