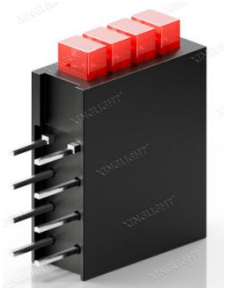
XL-DZ234SURD/4

## 234 红发红四孔灯座



### 特点（ ）：

:12*5.2*14.2mm

Appearance dimension : 12*5.2*14.2mm

: /

Luminous color and colloid: Red Light /Red 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 costs

High energy efficiency, fast startup

### 应用领域（product application）

# 目录

Catalogue

| | | | |
|---|---|---|---|
| Max Power Dissipation | PD | 200 | mW |
| Max Continuous Forward Current | IF | 20*4=80 | mA |
| Peak Forward Current | IFP | 20*4=320 | mA |
| Max Reverse Voltage | VR | 5 | V |
| Antistatic ability | ESD | 2000 | V |
| Operating Temperature Range | TOPR | -40 ~ +85 | |
| Storage Temperature Range | TSTR | -40 ~ +85 | |
| / (Lead Soldering Temperature/Time) | TSOL | 260 ≤5S | |

| | | | | | | |
|---|---|---|---|---|---|---|
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | Δλ | | | | | |
| | | | | | | |
| | | | | | | |

## 亮度分档

：

| 代码 | 最小值 | 最大值 | 单位 | 测试条件 |
|---|---|---|---|---|
| A1 | 50 | 100 | mcd | IF=20mA |
| A2 | 100 | 200 | | |
| A3 | 200 | 300 | | |
| A4 | 300 | 400 | | |
| A5 | 400 | 500 | | |

±10% error±10%

## 电压分档

：

| 代码 | 最小值 | 最大值 | 单位 | 测试条件 |
|---|---|---|---|---|
| N12-7 | 1.8 | 2.0 | V | IF=20mA |
| N12-8 | 2.0 | 2.2 | | |
| N12-9 | 2.2 | 2.4 | | |

电压误差±0.1V error±0.1V

## 波长分档

：

| 代码 | 最小值 | 最大值 | 单位 | 测试条件 |
|---|---|---|---|---|
| HR01 | 615 | 620 | nm | IF=20mA |
| HR02 | 620 | 625 | | |
| HR03 | 625 | 630 | | |
| HR04 | 630 | 635 | | |

±1nm Wavelength error±1nm

## 可靠性试验

**Reliability Test Items And Conditions**

| Class | Test item | Testing environment | Testing time | [redacted] | Fail qty |
|---|---|---|---|---|---|

[redacted]

[redacted]

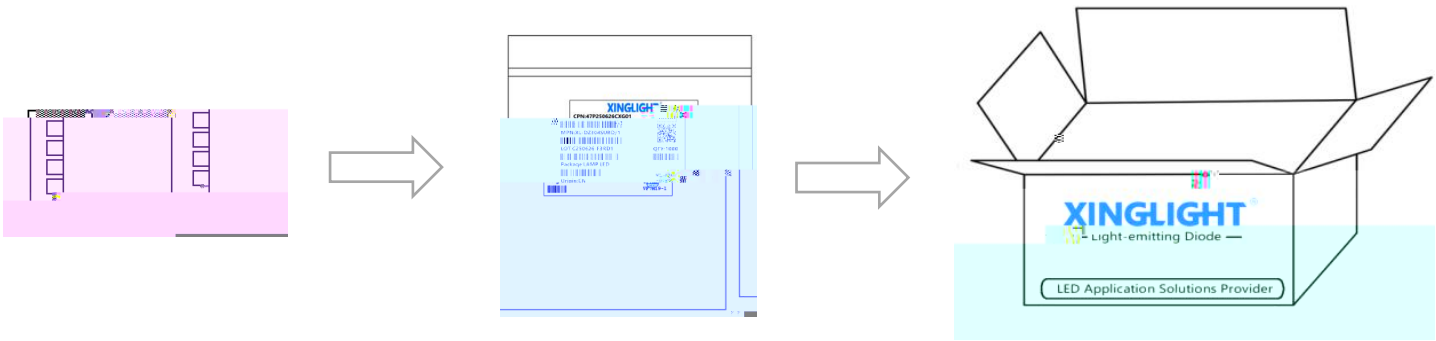
[redacted]

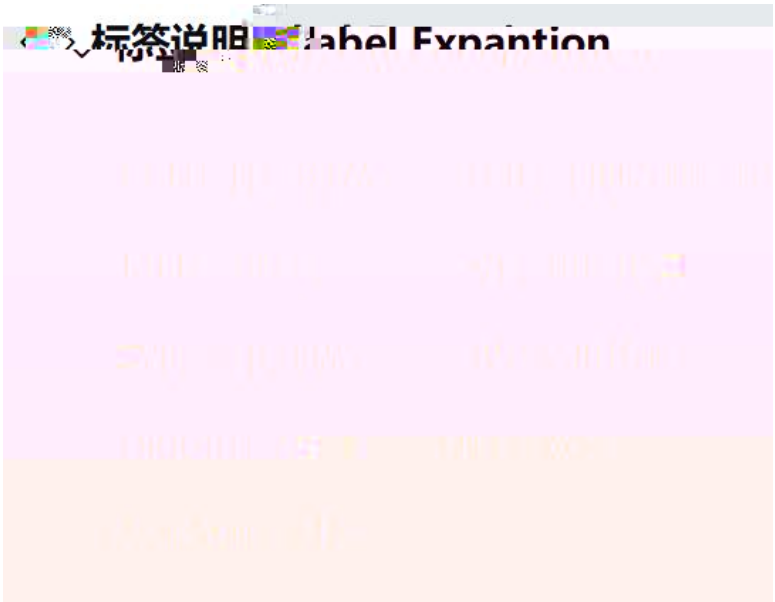
[redacted]

# 包装

*
In Bags

*
Moisture Proof and Anti-Electrostatic Foil Bag



## 使用注意事项（1）

**1、贮存.**

Storage environment of LED with temperature not exceeding 30 and relative humidity not exceeding 70%.It is recommended that LDE be used in the original box for no more than three months. If longer storage time is required, put it in the drying box and add desiccant or filled with nitrogen.

**2、静电：**

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 bands or anti-electrostatic gloves, anti-electrostatic containers be used when dealing with the LEDs.Using ordinary plastic products are strictly prohibited.It is recommended to use ion fans to suppress the static electricity generation during the operation.The static field voltage is less than 100V within the ambient range of 1 foot distance from the LED element.

# 使用注意事项（2）

## Precautions (2)

### 4、设计建议

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 [redacted]

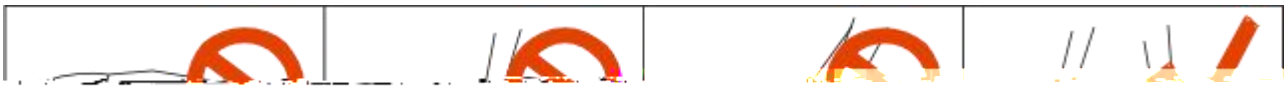
It is recommended to use Circuit A which regulates the current g-ng [redacted]

# 使用注意事项（3）

# Precautions (3)

**4、其他事项：**

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