XL-

# 目录

Catalogue

## 电性参数

| Parameter | Symbol | Rating | Unit |
|---|---|---|---|
| Consumed power | Pd | 70 | mW |
| Max Continuous Forward Current | IF | 20 | mA |
| Peak Forward Current | IFp | 80 | mA |
| Operating ambient temperature | Topr | -20 C ~ +85 C | |
| Storage ambient temperature | Tstg | -40 C ~ +85 C | |
| Welding conditions | Tsol | reflow soldering 240°C 6s<br>manual welding 300°C 3s<br>2.0mm | |

| | | | | | | |
|---|---|---|---|---|---|---|
| Luminous Intensity | Iv | 400 | 600 | 900 | mcd | IF=20mA |
| Dominant Wave Length | λd | 615 | 620 | 625 | nm | IF=20mA |
| Peak Wave Length | λp | / | 625 | / | nm | IF=20mA |
| Forward Voltage | VF | 1.8 | 2.2 | 2.4 | V | IF=20mA |
| Viewing Angle | 2Ø1/2 | / | 30 | / | deg | IF=20mA |
| Spectral Width at half height | λ | / | 20 | / | nm | IF=20mA |
| | IR | / | / | ≤10 | μA | VR=5V |

±10% +e , r ž ž 0'

**亮度分档**

：

| 代码 | 最小值 | 最大值 | 单位 | 测试条件 |
|---|---|---|---|---|
| A5 | 400 | 500 | mcd | IF=20mA |
| A6 | 500 | 700 | | |
| A7 | 700 | 900 | | |

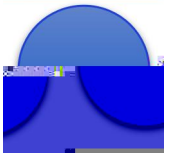
**电压分档**

：

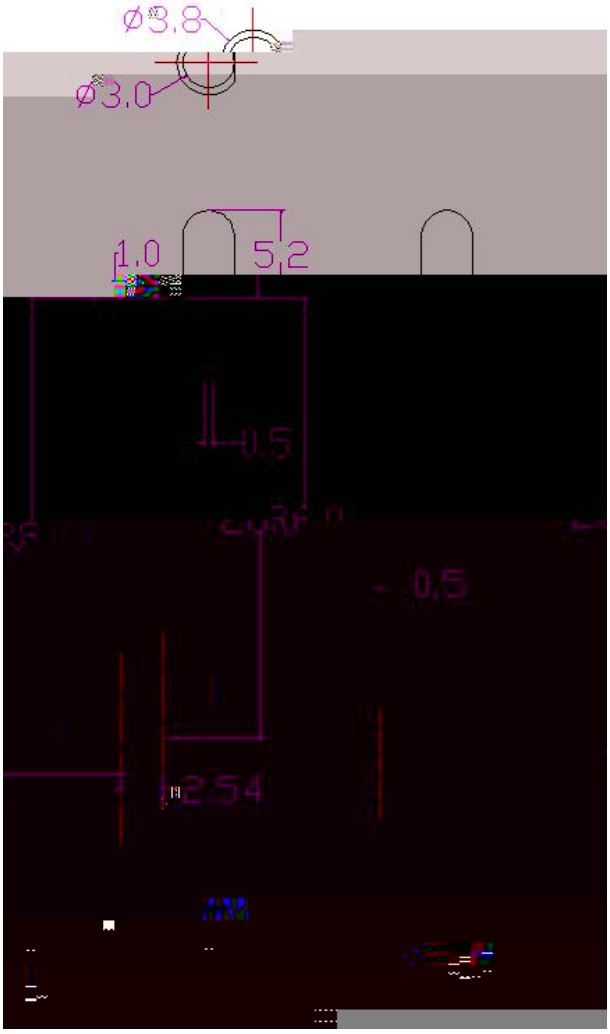
| 代码 | 最小值 | 最大值 | 单位 | 测试条件 |
|---|---|---|---|---|
| N12-7 | 1.8 | 2.0 | V | IF=20mA |
| N12-8 | 2.0 | 2.2 | | |
| N12-9 | 2.2 | 2.4 | | |

**波长分档**

| | 最小值 | 最大值 | | 测试条件 |
|---|---|---|---|---|
| HR01 | 615 | 620 | | IF=20mA |
| HR02 | 620 | 625 | | |



## 外形尺寸




(Note)

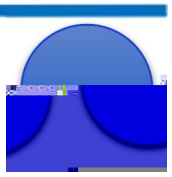
1.

Dimensions are in millimeters.

2. ± 0.50mm .

Tolerances unless mentioned are ± 0.50mm.

Part N :XL-304SURD



使用注意事项（ ）

2mm

LED

When welding, welding,must be conducted

## 使用注意事项（ ）

**8、其他事项：**

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*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.