



Part No.: JSL-521UYUBC-CC

Features:

- Long life solid state reliability.
- Low power consumption
- I.C.compatible.
- Compliance with EU REACH.
- RoHs Compliant

Descriptions:

- Emitting Color: Yellow+Blue Bi-Color.
- Device Outline: ϕ 5mm Round Type.
- Lens Type: Water Clear.
- Three Leads With One Common Cathode Type.
- The designed for a variety of applications where require dual illumination.

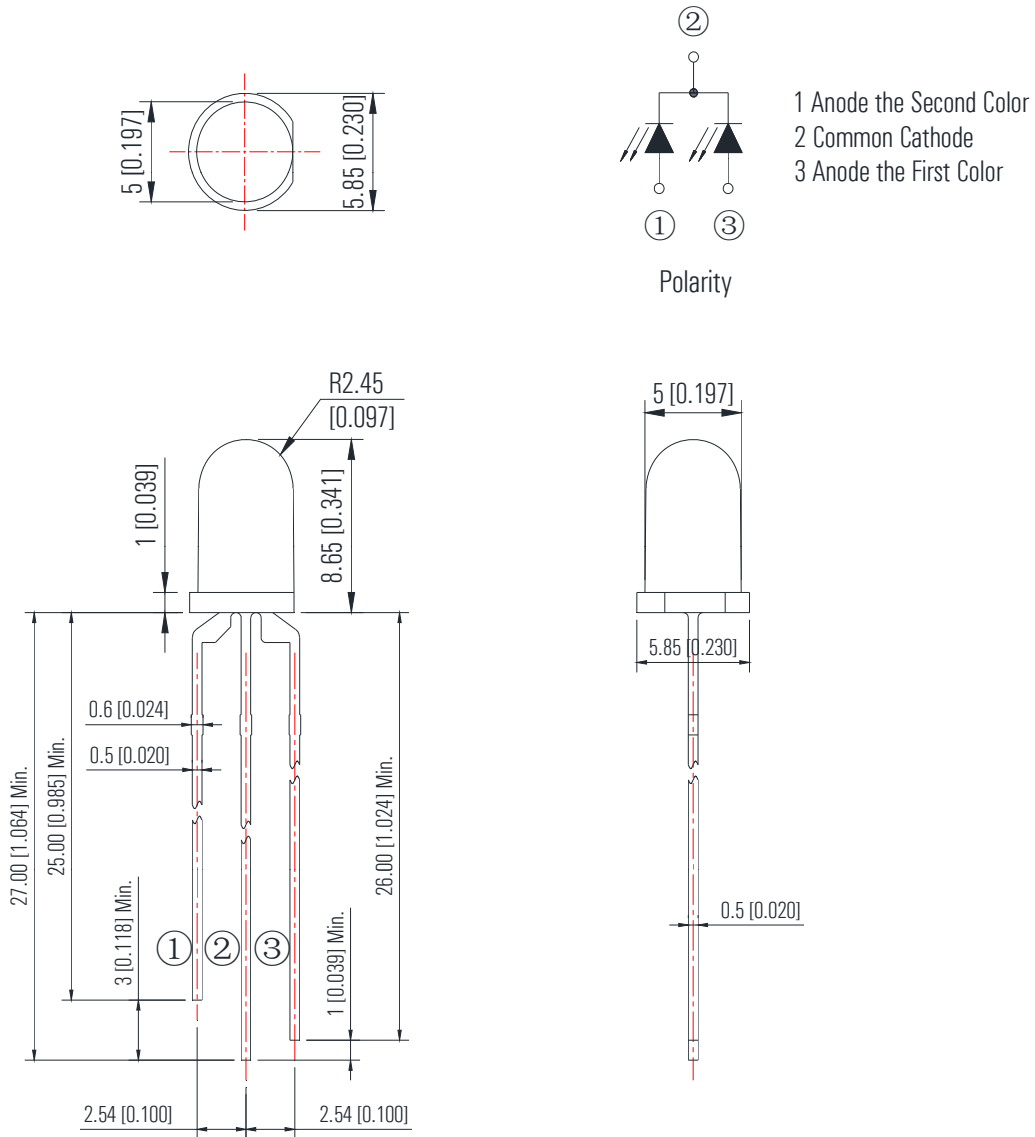
Application:

- Circuit board.
- Indicators.
- Computer.
- Home appliance.
- Industrial.



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Package Dimension:



Notes:

1. All dimensions are millimeters/单位: mm.
2. Tolerance is +/-0.25mm unless otherwise noted/没有标注的公差均为±0.25mm



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Absolute maximum ratings (Ta = 25°C)

| Parameter | Symbol | Test Condition | Values | | Unit |
|-----------------------|-------------------|-------------------------|--------|------|------|
| | | | Min. | Max. | |
| Reverse Voltage | V _R | I _R = 30 μ A | ---- | 5 | V |
| Forward Current | I _F | ---- | ---- | 25 | mA |
| Power Dissipation | P _d | ---- | Yellow | 60 | mW |
| | | | Blue | 85 | |
| Pulse Current | I _{peak} | Duty=0.1mS, 1kHz | ---- | 100 | mA |
| Operating Temperature | T _{opr} | ---- | -40 | +85 | °C |
| Storage Temperature | T _{str} | ---- | -40 | +85 | °C |

Electrical and optical characteristics (Ta = 25°C)

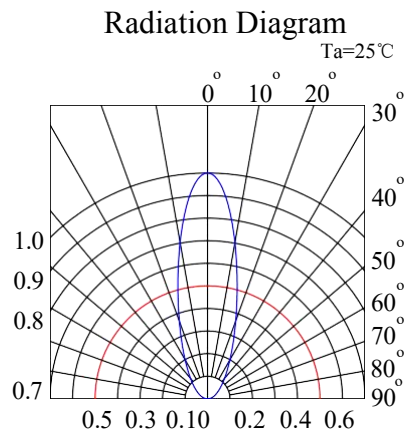
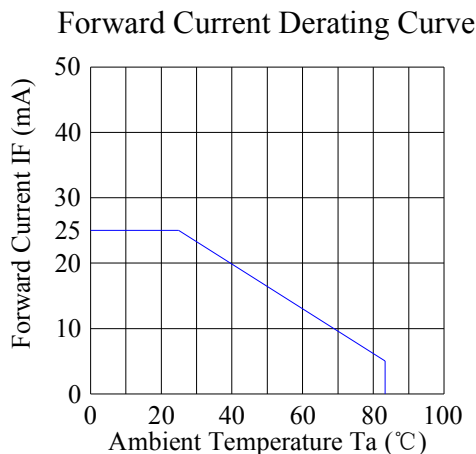
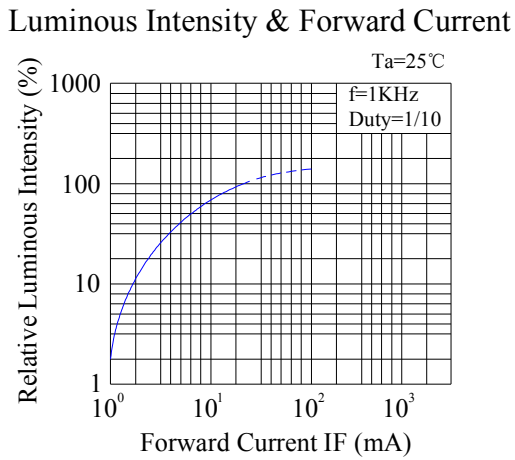
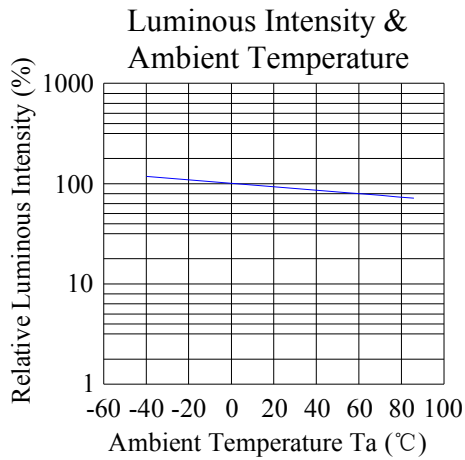
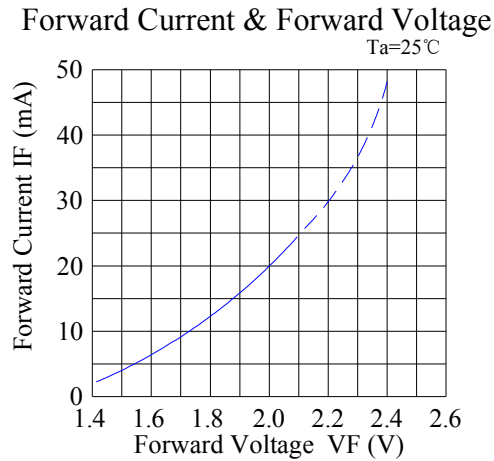
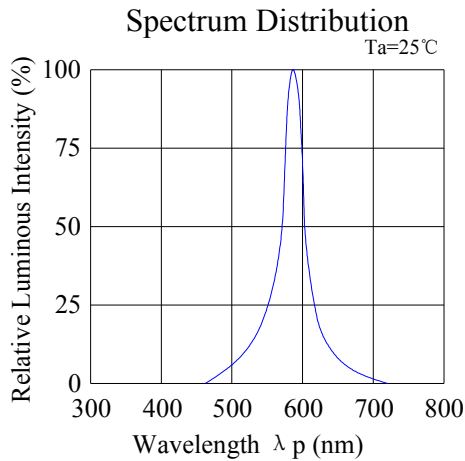
| Parameter | Symbol | Test Condition | Color | Value | | | Unit |
|--------------------------|----------------|-----------------------|-------|-------|------|------|------|
| | | | | Min. | Typ. | Max. | |
| Forward Voltage | V _F | I _F = 20mA | UY | 1.8 | 2.0 | 2.2 | V |
| | | | UB | 2.7 | 3.0 | 3.2 | |
| Reverse Current | I _R | V _R = 5V | UY | --- | --- | 5 | μ A |
| | | | UB | --- | --- | 5 | |
| Dominate Wavelength | λ _d | I _F = 20mA | UY | --- | 590 | --- | nm |
| | | | UB | --- | 470 | --- | |
| Peak Wavelength | λ _p | I _F = 20mA | UY | --- | 592 | --- | nm |
| | | | UB | --- | 468 | --- | |
| Spectral Line half-width | Δ λ | I _F =20mA | UY | ---- | 20 | ---- | nm |
| | | | UB | | | | |
| Luminous Intensity | I _v | I _F = 20mA | UY | 600 | 1000 | ---- | mcd |
| | | | UB | 800 | 1200 | ---- | |
| Viewing Angle | 2 θ 1/2 | I _F = 20mA | UY | --- | 30 | --- | deg |
| | | | UB | | | | |



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Typical electrical/optical characteristic curves:

(25°C Ambient Temperature Unless Otherwise Noted)





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