



Part No.: JSL-531RGBW

Features:

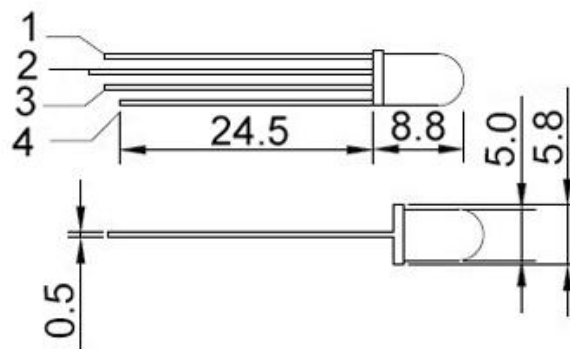
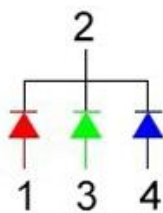
- RGB color
- High bright output
- Low power consumption
- High reliability and long life

Descriptions:

- Dice material: AlGaInP
- Emitting Color: Super Bright RGB
- Device Outline: ϕ 5mm Round Type
- Lens Type: White diffused

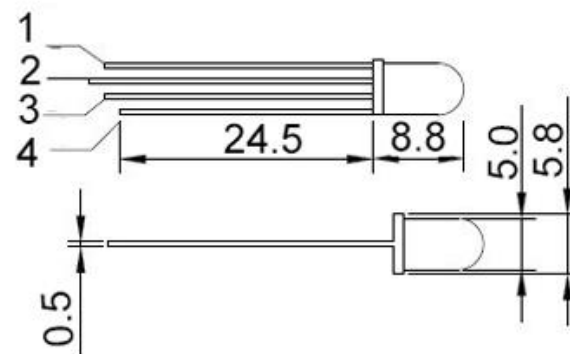
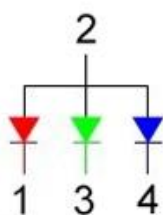
Outline dimensions:

Common Cathode



Unit:mm

Common Anode





4、 Absolute maximum ratings (Ta = 25°C):

| Parameter | Color | Symbol | Test Condition | Value | | Unit |
|-----------------------|-------|--------|-----------------|-------|------|------|
| | | | | Min. | Max. | |
| Power Dissipation | Red | Pd | --- | --- | 75 | mW |
| | Green | | | | 120 | |
| | Blue | | | | 120 | |
| Reverse Voltage | --- | VR | IR = 30 μ A | 5 | --- | V |
| Pulse Current | --- | IFp | Duty=0.1, 1kHz | --- | 100 | mA |
| Forward Current | --- | IFm | --- | --- | 25 | mA |
| Operating Temperature | --- | Topr | --- | -40 | +80 | °C |
| Storage Temperature | --- | Tstr | --- | -40 | +85 | °C |

5、 Electrical and optical characteristics (Ta = 25°C):

| Parameter | Color | Symbol | Test Condition | Value | | | Unit |
|--------------------|-------|----------------|----------------|-------|------|------|---------|
| | | | | Min. | Typ. | Max. | |
| Forward Voltage | Red | VF | IF = 20mA | 1.8 | --- | 2.5 | V |
| | Green | | | 2.8 | --- | 3.5 | |
| | Blue | | | 2.8 | --- | 3.5 | |
| Reverse Current | --- | IR | VR = 5V | --- | --- | 30 | μ A |
| Wavelength | Red | Tc | IF = 20mA | 620 | --- | 635 | nm |
| | Green | | | 520 | --- | 530 | |
| | Blue | | | 460 | --- | 470 | |
| Luminous Intensity | Red | Iv | IF = 20mA | 500 | 800 | --- | mcd |
| | Green | | | 1500 | 2500 | --- | |
| | Blue | | | 300 | 600 | --- | |
| Viewing Angle | --- | 2 θ 1/2 | IF = 20mA | --- | 50 | --- | Deg. |



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6. Typical photoelectricity characteristic curve chart

