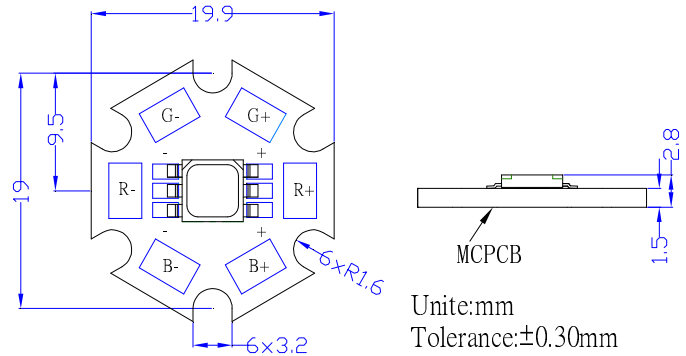


■Features

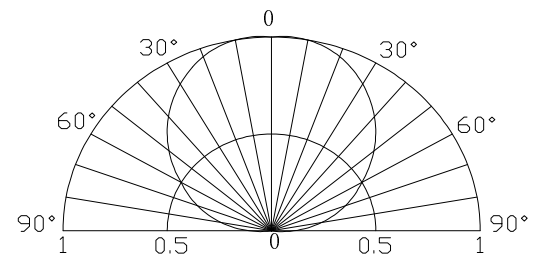
- Highest Luminous Flux
- Super Energy Efficiency
- Long Lifetime Operation
- Superior ESD protection
- Superior UV Resistance
- Water Clear Type

■Applications

- Mobile Phone Flash
- Automotive Interior/Exterior Lighting / Signal Lighting
- Architectural Lighting
- LCD TV / Monitor Backlight
- Projector Light Source / Traffic Signals / Task Lighting
- Decorative / Pathway Lighting / Household Applications

■Outline Dimension

■Absolute Maximum Rating (Ta=25°C)

| Item | Symbol | Value | | Unit |
|----------------------------|-----------|------------|------------|------|
| | | Red | Green/Blue | |
| DC Forward Current | I_F | 200 | 200 | mA |
| Pulse Forward Current* | I_{FP} | 250 | 250 | mA |
| Reverse Voltage | V_R | 5 | 5 | V |
| Power Dissipation | P_D | 600 | 800 | mW |
| Operating Temperature | T_{opr} | -30 ~ +85 | | °C |
| Storage Temperature | T_{stg} | -40 ~ +100 | | °C |
| Lead Soldering Temperature | T_{sol} | 260°C/5sec | | - |

■Directivity


*Pulse width Max.10ms Duty ratio max 1/10

■Electrical -Optical Characteristics (Ta=25°C)

| Item | Symbol | Condition | Min. | Typ. | Max. | Unit |
|--------------------|---------------------|-------------|------|------|------|------|
| DC Forward Voltage | V_F (R) | $I_F=150mA$ | 2.0 | 2.5 | 3.0 | V |
| | V_F (B/G) | $I_F=150mA$ | 3.0 | 3.3 | 4.0 | V |
| DC Reverse Current | I_R | $V_R=5V$ | - | - | 10 | μA |
| Domi. Wavelength | λ_D (Red) | $I_F=150mA$ | 619 | 624 | 629 | nm |
| | λ_D (Green) | $I_F=150mA$ | 520 | 525 | 535 | nm |
| | λ_D (Blue) | $I_F=150mA$ | 465 | 470 | 475 | nm |
| Luminous Flux | Φ_v (Red) | $I_F=150mA$ | 15 | 20 | - | lm |
| | Φ_v (Green) | $I_F=150mA$ | 20 | 30 | - | lm |
| | Φ_v (Blue) | $I_F=150mA$ | 5 | 10 | - | lm |
| 50% Power Angle | $2\theta_{1/2}$ | $I_F=150mA$ | - | 120 | - | deg |