

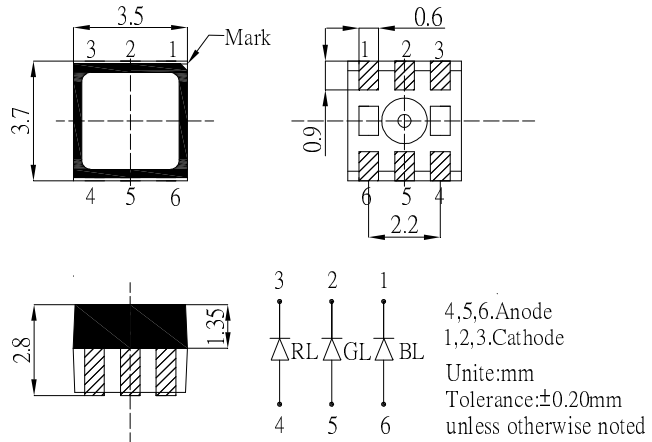
■Features

- High Luminous PLCC6 Top SMD LEDs
- 3.5x3.5x2.8mm Standard Directivity
- Superior Weather-resistance
- UV Resistant Epoxy
- White Diffused Type
- Black surface

■Applications

- Toys/Games/Audio
- Small Area Illuminations
- Back Lighting/Other Lighting

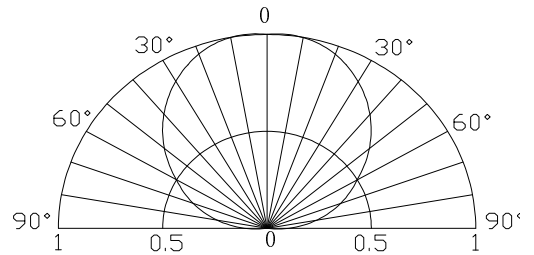
■Outline Dimension



■Absolute Maximum Rating (Ta=25°C)

| Item | Symbol | Value | | Unit |
|----------------------------|-----------------|-------------|------------|------|
| | | Red | Green/Blue | |
| DC Forward Current | I _F | 30 | 30 | mA |
| Pulse Forward Current* | I _{FP} | 120 | 100 | mA |
| Reverse Voltage | V _R | 5 | 5 | V |
| Power Dissipation | P _D | 78 | 108 | mW |
| Operating Temperature | Topr | -30 ~ +85 | | °C |
| Storage Temperature | Tstg | -40 ~ +100 | | °C |
| Lead Soldering Temperature | Tsol | 260°C/10sec | | - |

■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 =20mA | 1.8 | 2.1 | 2.6 | V |
| | V _F (B/G) | I _F =20mA | 2.8 | 3.1 | 3.6 | V |
| DC Reverse Current | I _R | V _R =5V | - | - | 10 | μA |
| Domi. Wavelength* | λ _D (Red) | I _F =20mA | 617 | 620 | 625 | nm |
| | λ _D (Green) | I _F =20mA | 515 | 520 | 525 | nm |
| | λ _D (Blue) | I _F =20mA | 460 | 465 | 470 | nm |
| Luminous Intensity* | I _v (Red) | I _F =20mA | 330 | 500 | - | mcd |
| | I _v (Green) | I _F =20mA | 700 | 900 | - | mcd |
| | I _v (Blue) | I _F =20mA | 150 | 200 | - | mcd |
| 50% Power Angle | 2θ _{1/2} | I _F =20mA | - | 120 | - | deg |

*1 Tolerance of measurements of dominant wavelength is ±1nm

*2 Tolerance of measurements of luminous intensity is ±15%

*3 Tolerance of measurements of forward voltage is ±0.1V