

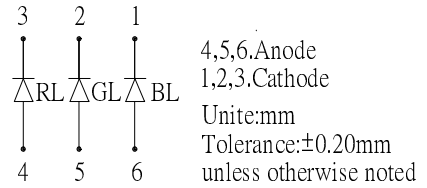
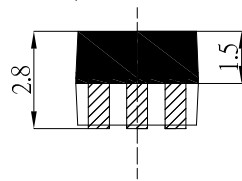
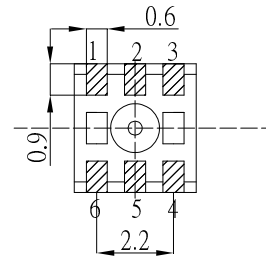
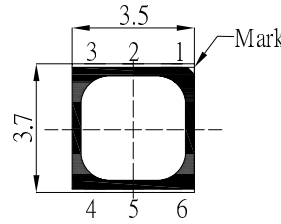
■Features

- 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

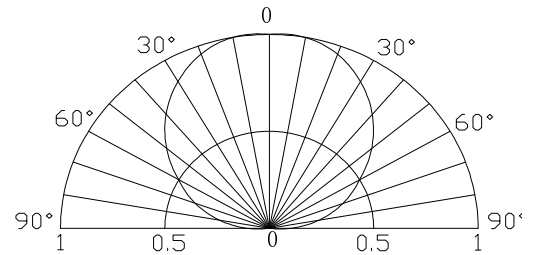
■Outline Dimension



■Absolute Maximum Rating (Ta=25°C)

| Item                       | Symbol           | Value       |            | Unit |
|----------------------------|------------------|-------------|------------|------|
|                            |                  | Red         | Green/Blue |      |
| DC Forward Current         | I <sub>F</sub>   | 30          | 30         | mA   |
| Pulse Forward Current*     | I <sub>FP</sub>  | 120         | 100        | mA   |
| Reverse Voltage            | V <sub>R</sub>   | 5           | 5          | V    |
| Power Dissipation          | P <sub>D</sub>   | 78          | 108        | mW   |
| Operating Temperature      | T <sub>opr</sub> | -30 ~ +85   |            | °C   |
| Storage Temperature        | T <sub>stg</sub> | -40 ~ +100  |            | °C   |
| Lead Soldering Temperature | T <sub>sol</sub> | 260°C/10sec |            | -    |

■Directivity



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

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

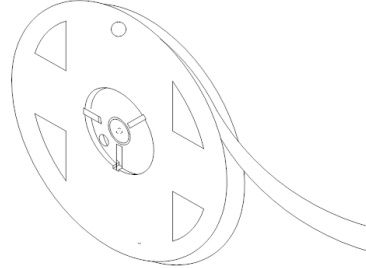
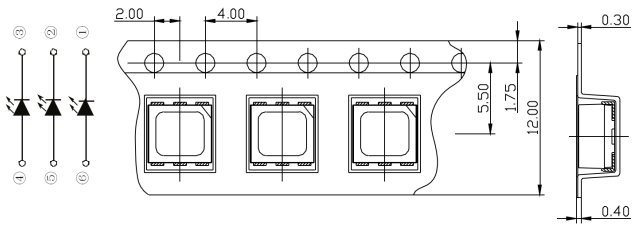
| Item                | Symbol                 | Condition            | Min. | Typ. | Max. | Unit |
|---------------------|------------------------|----------------------|------|------|------|------|
| DC Forward Voltage  | V <sub>F</sub> (R)     | I <sub>F</sub> =20mA | 1.8  | 2.1  | 2.6  | V    |
|                     | V <sub>F</sub> (B/G)   | I <sub>F</sub> =20mA | 2.8  | 3.1  | 3.6  | V    |
| DC Reverse Current  | I <sub>R</sub>         | V <sub>R</sub> =5V   | -    | -    | 10   | μA   |
| Domi. Wavelength*   | λ <sub>D</sub> (Red)   | I <sub>F</sub> =20mA | 617  | 620  | 625  | nm   |
|                     | λ <sub>D</sub> (Green) | I <sub>F</sub> =20mA | 515  | 520  | 525  | nm   |
|                     | λ <sub>D</sub> (Blue)  | I <sub>F</sub> =20mA | 460  | 465  | 470  | nm   |
| Luminous Intensity* | I <sub>v</sub> (Red)   | I <sub>F</sub> =20mA | 330  | 500  | -    | mcd  |
|                     | I <sub>v</sub> (Green) | I <sub>F</sub> =20mA | 700  | 900  | -    | mcd  |
|                     | I <sub>v</sub> (Blue)  | I <sub>F</sub> =20mA | 150  | 200  | -    | mcd  |
| 50% Power Angle     | 2θ <sub>1/2</sub>      | I <sub>F</sub> =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

## Taping Packing



### Notes:

1. Unit: mm
2. 4000pcs/Reel

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