

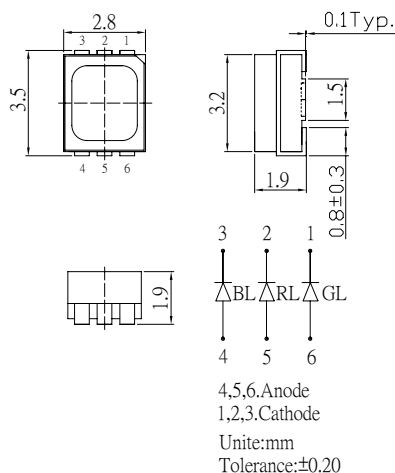
## ■Features

- High Luminous PLCC6 Top SMD LEDs
- 3.5x2.8x1.9mm Standard Directivity
- Superior Weather-resistance
- UV Resistant Epoxy
- Water Clear Type

## ■Applications

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

## ■Outline Dimension

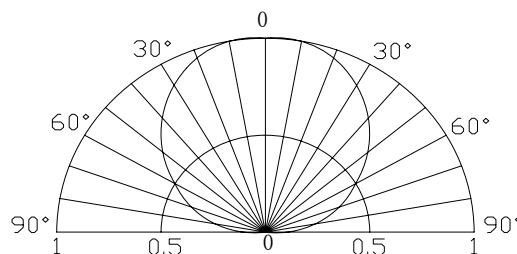


## ■Absolute Maximum Rating (Ta=25°C)

| Item                       | Symbol    | Value      |            | Unit |
|----------------------------|-----------|------------|------------|------|
|                            |           | Red        | Green/Blue |      |
| DC Forward Current         | $I_F$     | 50         | 30         | mA   |
| Pulse Forward Current*     | $I_{FP}$  | 120        | 100        | mA   |
| Reverse Voltage            | $V_R$     | 5          | 5          | V    |
| Power Dissipation          | $P_D$     | 130        | 108        | mW   |
| Operating Temperature      | $T_{opr}$ | -30 ~ +85  |            | °C   |
| Storage Temperature        | $T_{stg}$ | -40 ~ +100 |            | °C   |
| Lead Soldering Temperature | $T_{sol}$ | 260°C/5sec |            | -    |

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

## ■Directivity



## ■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    |
|                     | $V_F(B/G)$         | $I_F=20mA$ | 2.9  | 3.1  | 3.6  | V    |
| DC Reverse Current  | $I_R$              | $V_R=5V$   | -    | -    | 10   | μA   |
| Domi. Wavelength*   | $\lambda_D(Red)$   | $I_F=20mA$ | 620  | 625  | 630  | nm   |
|                     | $\lambda_D(Green)$ | $I_F=20mA$ | 520  | 525  | 530  | nm   |
|                     | $\lambda_D(Blue)$  | $I_F=20mA$ | 465  | 470  | 475  | nm   |
| Luminous Intensity* | $I_v(Red)$         | $I_F=20mA$ | 750  | 1000 | -    | mcd  |
|                     | $I_v(Green)$       | $I_F=20mA$ | 750  | 900  | -    | mcd  |
|                     | $I_v(Blue)$        | $I_F=20mA$ | 220  | 400  | -    | mcd  |
| 50% Power Angle     | $2\theta_{1/2}$    | $I_F=20mA$ | -    | 120  | -    | deg  |

\*1 Tolerance of dominant wavelength is ±1nm

\*2 Tolerance of luminous intensity is ±15%