

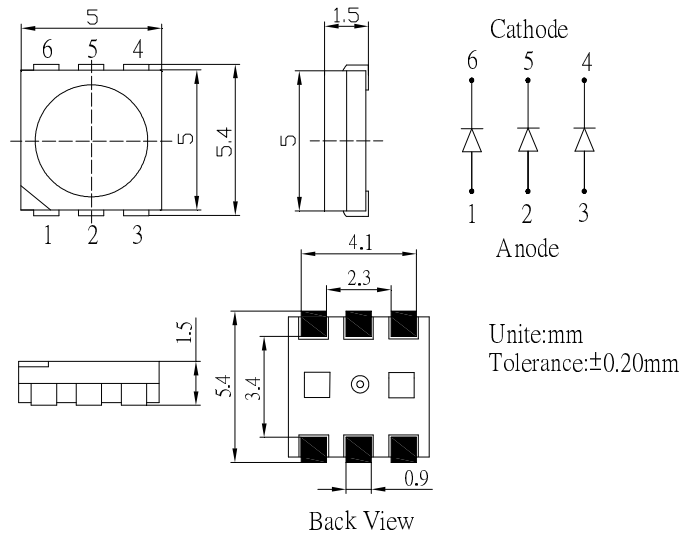
■ Features

- High Luminous PLCC6 Top SMD LEDs
- 5.0x5.0x1.5mm Standard Directivity
- Long lifetime Operation
- Superior Weather-resistance
- Green Diffused Type

■ Applications

- Backlighting (switches, keys, displays, illuminated advertising etc.)
- Substitution of Micro Incandescent Lamps
- Reading Lamps / Emergency Lighting
- Marker lights (e.g. steps, exit ways, etc.)
- Other Lighting

■ Outline Dimension



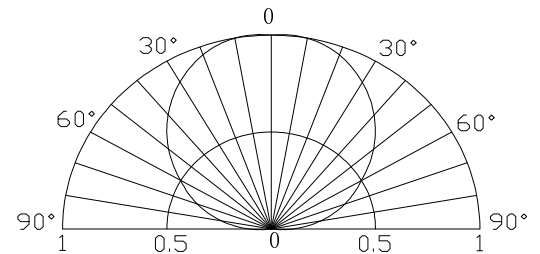
■ Absolute Maximum Rating

(Ta=25°C)

| Item | Symbol | Value | Unit |
|----------------------------|-----------|------------|------|
| DC Forward Current | I_F | 80 | mA |
| Pulse Forward Current* | I_{FP} | 120 | mA |
| Reverse Voltage | V_R | 5 | V |
| Power Dissipation | P_D | 288 | 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 | $I_F=60mA$ | 3.0 | 3.2 | 3.6 | V |
| DC Reverse Current | I_R | $V_R=5V$ | - | - | 30 | μA |
| Luminous Flux | Φ_v | $I_F=60mA$ | 18 | 21 | - | lm |
| Chromaticity Coordinate* | x | $I_F=60mA$ | - | 0.19 | - | |
| | y | $I_F=60mA$ | - | 0.29 | - | |
| 50% Power Angle | $2\theta_{1/2}$ | $I_F=60mA$ | - | 120 | - | deg |

*1 Tolerance of chromaticity coordinate is $\pm 10\%$

*2 Tolerance of luminous intensity is $\pm 15\%$

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