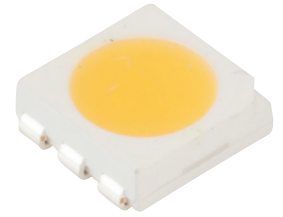


## Features:

- High luminosity PLCC6 SMD LEDs
- 5.0 x 5.0 x 1.5mm standard directivity
- Superior weather-resistance
- UV Resistant silicone
- Yellow diffused type



## Applications

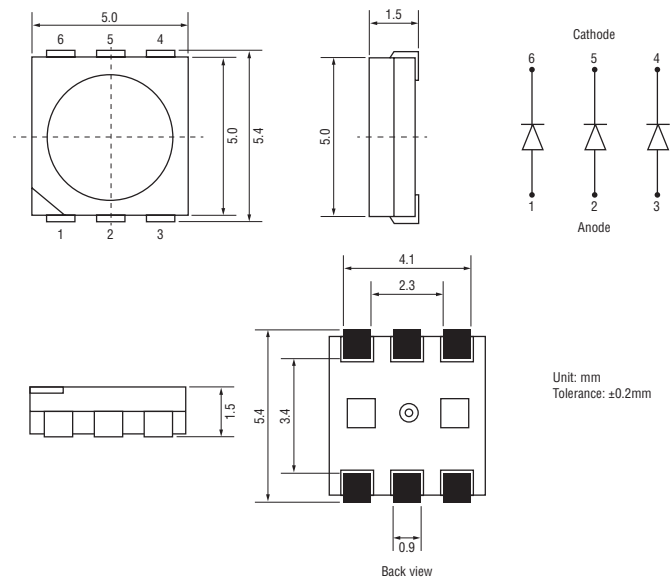
- Backlighting (switches, keys, displays, illuminated advertising etc.)
- Substitution of micro incandescent lamps
- Reading lamps/emergency lighting
- Market lights (e.g. steps, exit ways, etc.)
- Other lighting

## Absolute maximum rating (Ta=25°C)

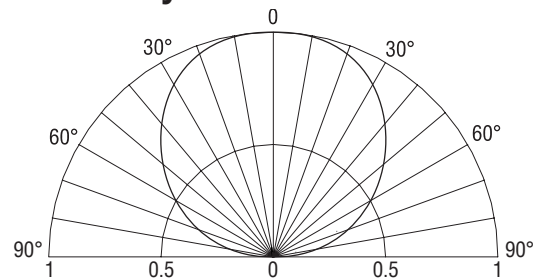
| Item                       | Symbol    | Value       | Unit |
|----------------------------|-----------|-------------|------|
| DC forward current         | $I_F$     | 75          | mA   |
| Pulse forward current*     | $I_{FP}$  | 100         | mA   |
| Reverse voltage            | $V_R$     | 5           | V    |
| Power dissipation          | $P_D$     | 270         | mW   |
| Operating temperature      | $T_{opr}$ | -30 to +85  | °C   |
| Storage temperature        | $T_{stg}$ | -40 to +100 | °C   |
| Lead soldering temperature | $T_{sol}$ | 260°C/5sec  | -    |

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

## Outline dimensions:



## Directivity:



## Electrical - Optical characteristics (Ta=25°C)

| Item                      | Symbol          | Condition           | Min. | Typ. | Max. | Unit |
|---------------------------|-----------------|---------------------|------|------|------|------|
| DC forward voltage        | $V_F$           | $I_F = 60\text{mA}$ | 3.0  | 3.1  | 3.6  | V    |
| DC reverse current        | $I_R$           | $V_R = 5\text{V}$   | -    | -    | 10   | μA   |
| Colour rendering index    | $R_a$           | $I_F = 60\text{mA}$ | 94   | 95   | -    |      |
| Luminous flux*            | $\Phi_V$        | $I_F = 60\text{mA}$ | 16   | 17   | -    | lm   |
| Colour temperature        | CCT             | $I_F = 60\text{mA}$ | -    | 5000 | -    | K    |
| Chromaticity coordinates† | x               | $I_F = 60\text{mA}$ | -    | 0.34 | -    |      |
|                           | y               | $I_F = 60\text{mA}$ | -    | 0.35 | -    |      |
| 50% Power angle           | $2\theta_{1/2}$ | $I_F = 60\text{mA}$ | -    | 120  | -    | deg  |

\* Luminous intensity measurement allowance is ±15%  
† Chromaticity coordinates measurement allowance is ±10%