

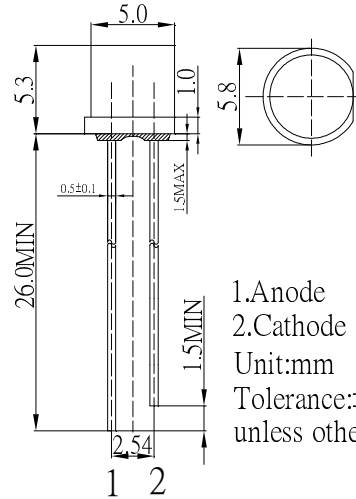
■ Features

- High Luminous LEDs
- 5mm Flat Top Standard Directivity
- Long Lifetime Operation
- UV Resistant Epoxy
- Water Clear Type

■ Applications

- Electronic Signs And Signals
- Small Area Illuminations
- Back Lighting
- Other Lighting

■ Outline Dimension



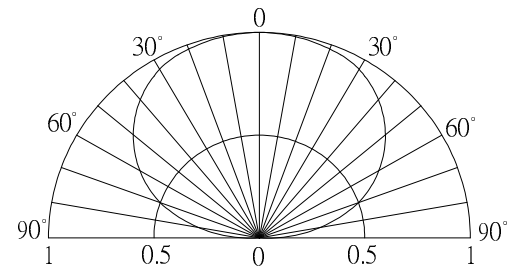
1. Anode
2. Cathode
Unit:mm
Tolerance:±0.20mm
unless otherwise noted

■ Absolute Maximum Rating (Ta=25°C)

| Item | Symbol | Value | Unit |
|----------------------------|------------------|------------|------|
| DC Forward Current | I _F | 30 | mA |
| Pulse Forward Current# | I _{FP} | 100 | mA |
| Reverse Voltage | V _R | 5 | V |
| Power Dissipation | P _D | 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*1 | V _F | I _F =20mA | 2.9 | 3.1 | 3.6 | V |
| DC Reverse Current | I _R | V _R =5V | - | - | 10 | μA |
| Luminous Intensity*2 | I _v | I _F =20mA | 1120 | 1560 | - | mcd |
| Color Temperature*3 | CCT | I _F =20mA | 2000 | 2100 | 2400 | K |
| Chromaticity Coordinates*4 | x | I _F =20mA | - | 0.51 | - | |
| | y | I _F =20mA | - | 0.41 | - | |
| 50% Power Angle | 2θ _{1/2} | I _F =20mA | - | 140 | - | deg |

*1 Tolerance of measurements of forward voltage is ±0.1V
 *2 Tolerance of measurements of luminous intensity is ±15%
 *3 Tolerance of measurements of color temperature is ±10%
 *4 Tolerance of measurements of chromaticity coordinates is ±10%