

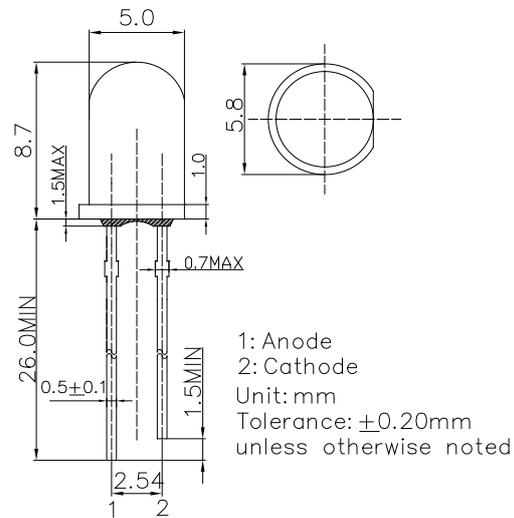
■Features

- Superior Light Output
- 5mm Round Standard Directivity
- Made with an Advanced Epoxy
- Long Lifetime Operation
- Fewer Color Diffused Type

■Applications

- Electronic Signs and Signals
- Backlighting (illuminated advertising etc.)
- Reading Lamps / Emergency Lighting
- Outdoor Lighting

■Outline Dimension

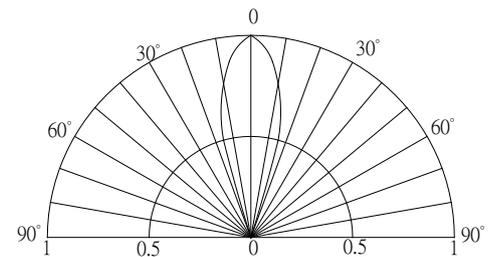


■Absolute Maximum Rating

(Ta=25°C)

| Item | Symbol | Value | Unit |
|----------------------------|------------------|-------------|------|
| DC Forward Current | I _F | 50 | mA |
| Pulse Forward Current# | I _{FP} | 120 | mA |
| Reverse Voltage | V _R | 5 | V |
| Power Dissipation | P _D | 150 | mW |
| Operating Temperature | T _{opr} | -40 ~ +95 | °C |
| Storage Temperature | T _{stg} | -40 ~ +100 | °C |
| Lead Soldering Temperature | T _{sol} | 260°C/ 5sec | - |

■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*1 | V _F | I _F =20mA | - | 2.7 | 3.0 | V |
| DC Reverse Current | I _R | V _R =5V | - | - | 10 | μA |
| Domi. Wavelength*2 | λ _D | I _F =20mA | 465 | 470 | 475 | nm |
| Luminous Intensity*3 | I _v | I _F =20mA | 5800 | 7000 | - | mcd |
| 50% Power Angle | 2θ _{1/2} | I _F =20mA | - | 30 | - | deg |

*1 Tolerance of measurements of forward voltage is ±0.1V

*2 Tolerance of measurements of dominant wavelength is ±1nm

*3 Tolerance of measurements of luminous intensity is ±15%

InGaN LED

TYPICAL ELECTRICAL/OPTICAL CHARACTERISTIC CURVES

