

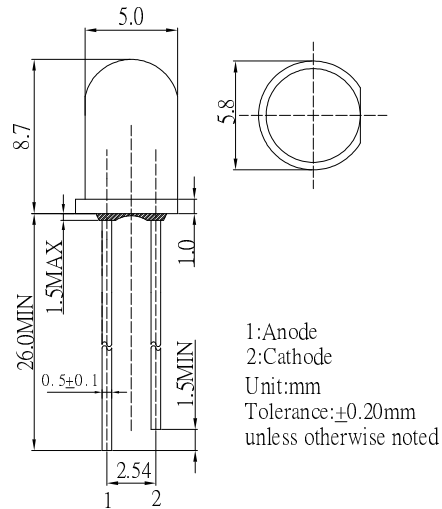
■ **Features**

- High Luminous LEDs
- 5mm Round Standard Directivity
- UV Resistant Epoxy
- Water Clear Type

■ **Applications**

- Green House Applications
- Other Lighting
- Red : Blue LED Iv Ratio is 8:1*

■ **Outline Dimension**

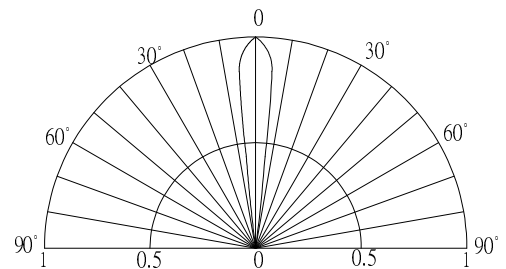


■ **Absolute Maximum Rating**

(Ta=25°C)

| Item | Symbol | Value | Unit |
|----------------------------|------------------|--------------|------|
| DC Forward Current | I _F | 70 | mA |
| Pulse Forward Current# | I _{FP} | 120 | mA |
| Reverse Voltage | V _R | 5 | V |
| Power Dissipation | P _D | 182 | mW |
| Operating Temperature | T _{opr} | -30 ~ +85 | °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* | V _F | I _F =20mA | 1.8 | 2.1 | 2.6 | V |
| DC Reverse Current | I _R | V _R =5V | - | - | 10 | μA |
| Peak Wavelength* | λ _p | I _F =20mA | 650 | 660 | 670 | nm |
| Luminous Intensity* | I _v | I _F =20mA | 12000 | 14400 | - | mcd |
| 50% Power Angle | 2θ _{1/2} | I _F =20mA | - | 15 | - | deg |

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

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

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

AlGaInP LED

TYPICAL ELECTRICAL/OPTICAL CHARACTERISTIC CURVES

