

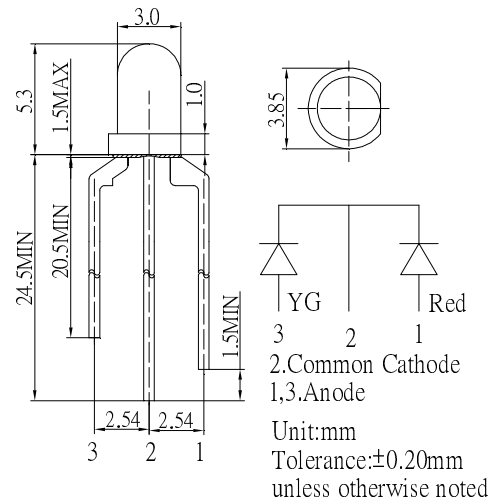
## ■Features

- High Luminous LEDs
- 3mm Round Standard Directivity
- UV Resistant Epoxy
- White Diffused Type

## ■Applications

- Toys
- Games
- Audio
- Other Lighting

## ■Outline Dimension



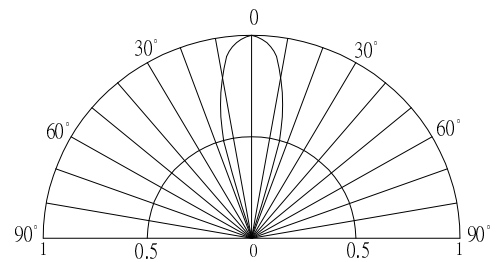
## ■Absolute Maximum Rating

(Ta=25°C)

| Item                       | Symbol           | Value      |     | Unit |
|----------------------------|------------------|------------|-----|------|
|                            |                  | Red        | YG  |      |
| DC Forward Current         | I <sub>F</sub>   | 30         | 30  | mA   |
| Pulse Forward Current#     | I <sub>FP</sub>  | 100        | 100 | mA   |
| Reverse Voltage            | V <sub>R</sub>   | 5          | 5   | V    |
| Power Dissipation          | P <sub>D</sub>   | 78         | 78  | mW   |
| Operating Temperature      | T <sub>opr</sub> | -30~ +85   |     | °C   |
| Storage Temperature        | T <sub>stg</sub> | -40 ~ +100 |     | °C   |
| Lead Soldering Temperature | T <sub>sol</sub> | 260°C/5sec |     | -    |

#Pulse width Max.10ms Duty ratio max 1/10

## ■Directivity



## ■Electrical -Optical Characteristics

(Ta=25°C)

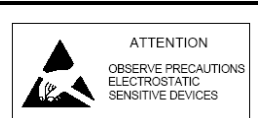
| Item                 | Symbol               | Condition            | Min. | Typ. | Max. | Unit |
|----------------------|----------------------|----------------------|------|------|------|------|
| DC Forward Voltage*1 | V <sub>F</sub> (Red) | I <sub>F</sub> =20mA | 1.8  | 2.1  | 2.6  | V    |
|                      | V <sub>F</sub> (YG)  | I <sub>F</sub> =20mA | 1.8  | 2.1  | 2.6  | V    |
| DC Reverse Current   | I <sub>R</sub>       | V <sub>R</sub> =5V   | -    | -    | 10   | μA   |
| Domi. Wavelength*2   | λ <sub>D</sub> (Red) | I <sub>F</sub> =20mA | 620  | 625  | 630  | nm   |
|                      | λ <sub>D</sub> (YG)  | I <sub>F</sub> =20mA | 565  | 570  | 575  | nm   |
| Luminous Intensity*3 | I <sub>v</sub> (Red) | I <sub>F</sub> =20mA | 330  | 550  | -    | mcd  |
|                      | I <sub>v</sub> (YG)  | I <sub>F</sub> =20mA | 330  | 400  | -    | mcd  |
| 50% Power Angle      | 2θ <sub>1/2</sub>    | I <sub>F</sub> =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%

**LED & Application Technologies**



**AlGaInP LED**

**TYPICAL ELECTRICAL/OPTICAL CHARACTERISTIC CURVES**

