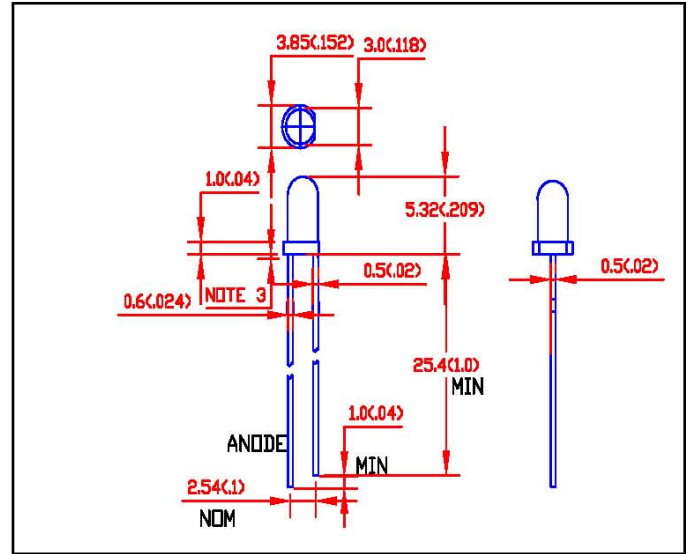


## Characters

- § High intensity.
- § Viewing angle 20°.
- § Reliable and Rugged
- § Standard 3mm diameter package.

| ITEM        | MATERIALS             |
|-------------|-----------------------|
| Resin(Mold) | Epoxy                 |
| Lens Color  | Water Transparent     |
| Lead Frame  | Ag Plating Iron Alloy |
| Dice        | InGaN                 |

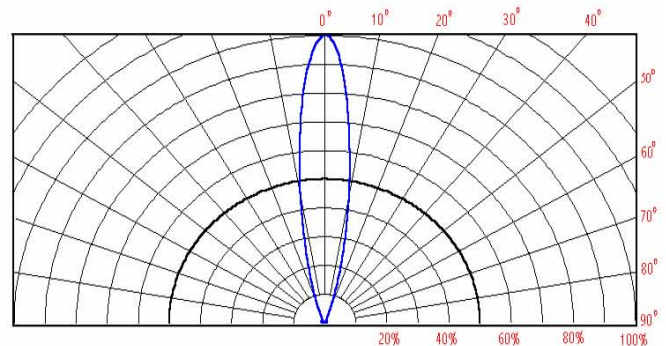
## Outline Dimensions



## Absolute Maximum Ratings (Ta=25°C)

| Item                   | Symbol | Value      | Unit |
|------------------------|--------|------------|------|
|                        |        | Green      |      |
| Power Dissipation      | PD     | 120        | mW   |
| DC Forward Current     | IF     | 20         | mA   |
| Pulsed Forward Current | IFP    | 100 *      | mA   |
| Reverse Voltage        | VR     | 5 ▲        | V    |
| Operating Temperature  | Topr   | -25 ~ +80  | °C   |
| Storage Temperature    | Tstg   | -40 ~ +100 | °C   |
| Soldering Temperature△ | Tsol   | 260        | °C   |

## Directive Characteristics Ta=25°C



\* Duty 1/10 Pulse Width 0.1ms ▲ This Rating is Zener Diode  
 △ At the position of 4mm from the bottom of the package within 5 seconds.

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

## Relative Luminous Intensity

| Part No.      | Luminous Intensity (mcd) ☆ |      |         | Forward Voltage (V) |      |        | Forward Voltage (V) |         | Reverse Current(μA) |        | Wavelength Characteristics (nm) |          |          |         |
|---------------|----------------------------|------|---------|---------------------|------|--------|---------------------|---------|---------------------|--------|---------------------------------|----------|----------|---------|
|               | Typ.                       | Min. | IF (mA) | Typ.                | Max. | IF(mA) | Min.                | IF (μA) | Max.                | VR (V) | λ D Typ.                        | λ D Max. | Δ λ Typ. | IF (mA) |
| BL304G6CA3C02 | 3000                       | 2308 | 20      | 3.2                 | 4.0  | 20     | 2                   | 100     | 50                  | 5      | 518                             | 523◆     | 25       | 20      |

☆ Axial Direction (luminous Intensity) ◆ Products are sorted by wavelength, which cannot be specified by customer..

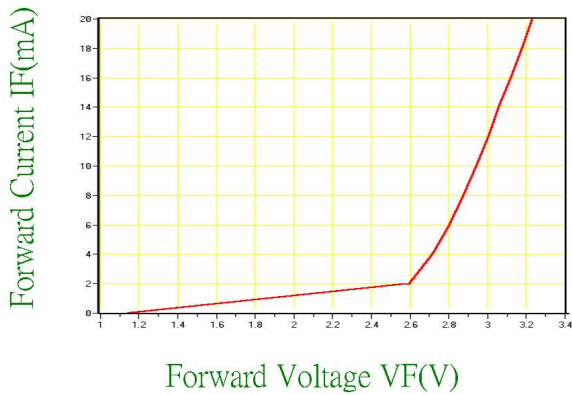
## Notes:

- § All dimensions are in millimeters (inches) .
- § Tolerance is  $\pm 0.25$  (.010) mm unless otherwise noted.
- § Protruded resin under flange is 1.0 mm (.04) max.
- § Lead spacing is measured where the leads emerge from the package.
- § Caution in ESD: Static Electricity and surge damages the LED. It is recommend to use a wrist band or anti-electrostatic glove when handling the LED. All devices, Equipment and machinery must be properly grounded.

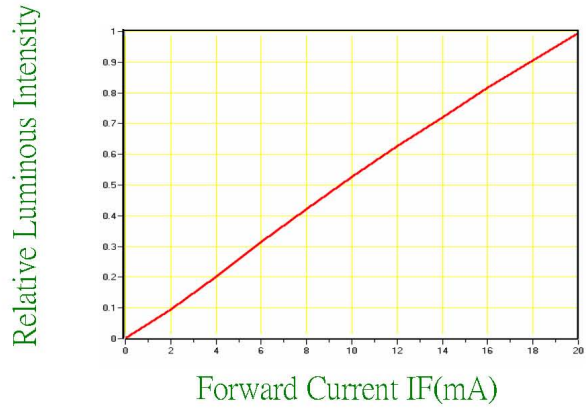
## Typical Characteristics

The data typical, and the value is not guaranteed.

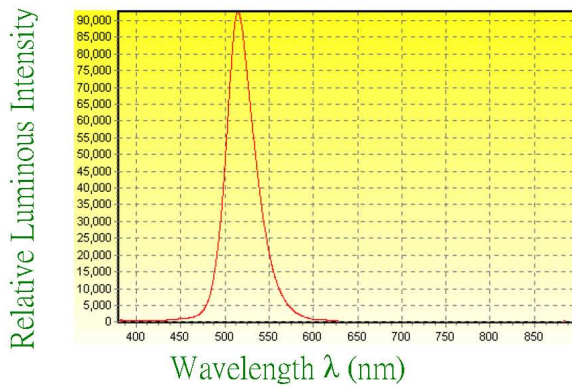
IF-VF (Ta=25°C)



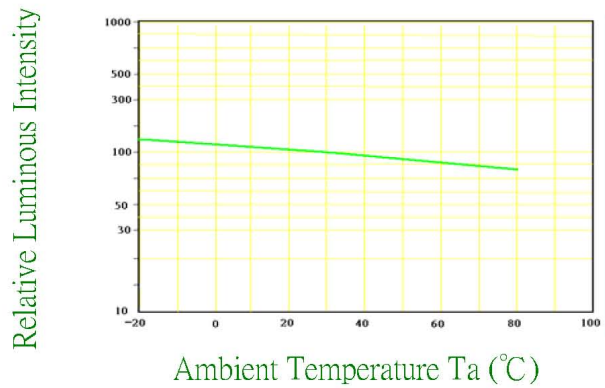
Relative Luminous Intensity-IF (Ta=25°C)



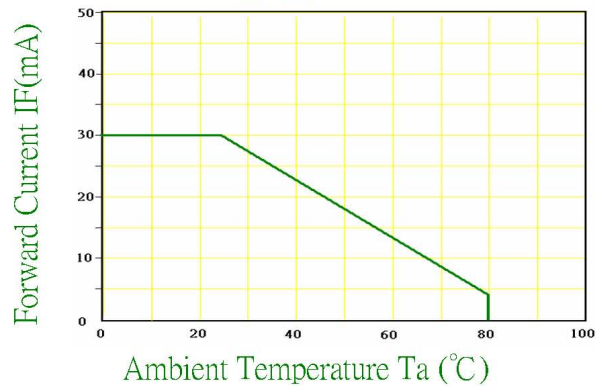
Wavelength Characteristics (Ta=25°C)



Relative Luminous Intensity-Ta



IF-Ta



θ - λ (Ta=25°C)

