

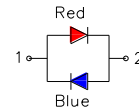
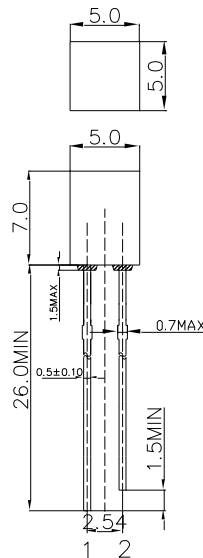
**■Features**

- High Luminous LED
- 5x5x7mm Standard Directivity
- Long Lifetime Operation
- UV Resistant Epoxy
- White Diffused Type
- Bi-polar

**■Applications**

- Toys
- Audio
- Games
- Other Lighting

**■Outline Dimension**



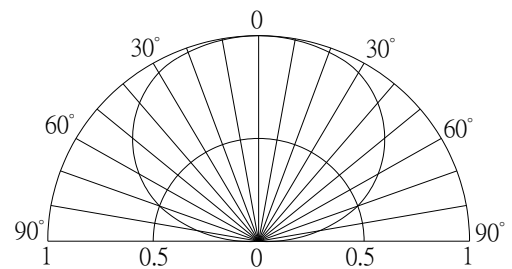
1. Anode  
2. Cathode  
Unit: mm  
Tolerance: ±0.20mm  
unless otherwise noted

**■Absolute Maximum Rating**

(Ta=25°C)

| Item                       | Symbol           | Value      |      | Unit |
|----------------------------|------------------|------------|------|------|
|                            |                  | Red        | Blue |      |
| 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         | 102  | 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 |      | -    |

**■Directivity**



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

| Item                 | Symbol                | Condition            | Min. | Typ. | Max. | Unit |
|----------------------|-----------------------|----------------------|------|------|------|------|
| DC Forward Voltage*1 | V <sub>F</sub> (Red)  | I <sub>F</sub> =20mA | -    | 2.1  | 2.6  | V    |
|                      | V <sub>F</sub> (Blue) | I <sub>F</sub> =20mA | -    | 2.9  | 3.4  | 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> (Blue) | I <sub>F</sub> =20mA | 465  | 470  | 475  | nm   |
| Luminous Intensity*3 | I <sub>v</sub> (Red)  | I <sub>F</sub> =20mA | 220  | 330  | -    | mcd  |
|                      | I <sub>v</sub> (Blue) | I <sub>F</sub> =20mA | 150  | 220  | -    | mcd  |
| 50% Power Angle      | 2θ <sub>1/2</sub>     | I <sub>F</sub> =20mA | -    | 140  | -    | 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%

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