

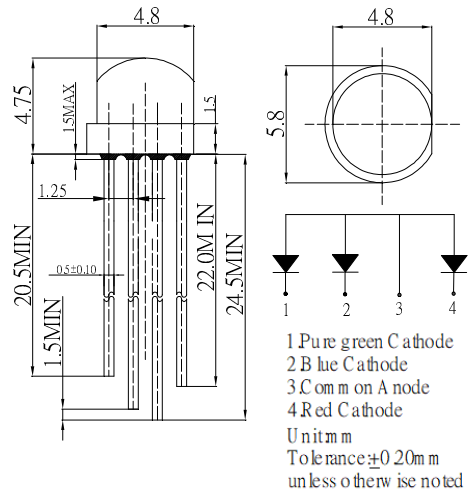
### ■Features

- High Luminous LEDs
- 4.8mm Straw Standard Directivity
- White Diffused Type
- Common Anode Type

### ■Applications

- Toys
- Games
- Audio
- Other Lighting

### ■Outline Dimension

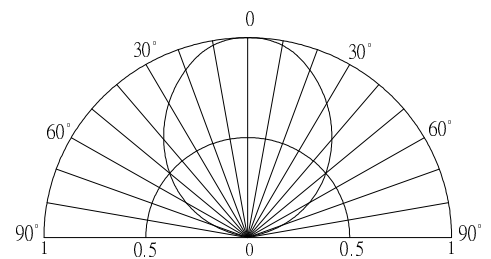


### ■Absolute Maximum Rating (Ta=25°C)

| Item                       | Symbol           | Value      |            | Unit |
|----------------------------|------------------|------------|------------|------|
|                            |                  | Red        | Blue/Green |      |
| 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         | 108        | 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> (R)     | I <sub>F</sub> =20mA | 1.8  | 2.1  | 2.6  | V    |
|                      | V <sub>F</sub> (B/G)   | I <sub>F</sub> =20mA | 2.9  | 3.1  | 3.6  | 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> (Blue)  | I <sub>F</sub> =20mA | 465  | 470  | 475  | nm   |
|                      | λ <sub>D</sub> (Green) | I <sub>F</sub> =20mA | 520  | 525  | 530  | nm   |
| Luminous Intensity*3 | I <sub>v</sub> (Red)   | I <sub>F</sub> =20mA | 1120 | 1560 | -    | mcd  |
|                      | I <sub>v</sub> (Blue)  | I <sub>F</sub> =20mA | 500  | 750  | -    | mcd  |
|                      | I <sub>v</sub> (Green) | I <sub>F</sub> =20mA | 1560 | 2180 | -    | mcd  |
| 50% Power Angle      | 2θ <sub>1/2</sub>      | I <sub>F</sub> =20mA | -    | 100  | -    | 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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