

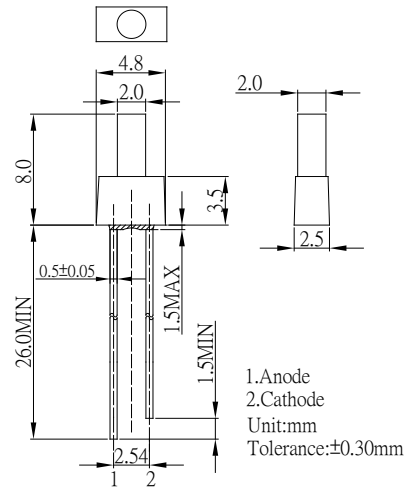
## ■Features

- High Luminous LED
- 2mm Tower Standard Directivity
- Long Lifetime Operation
- Superior UV Resistance
- Color Transparent Type

## ■Applications

- General Purpose Indicators
- Decorations
- Toys & Games
- General Use

## ■Outline Dimension



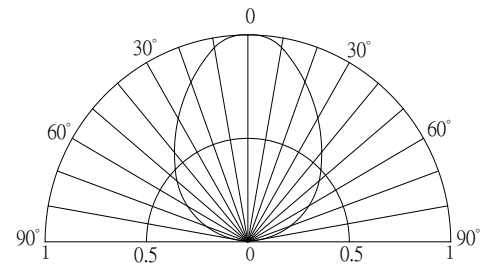
## ■Absolute Maximum Rating

(Ta=25°C)

| Item                       | Symbol          | Value       |          | Unit |
|----------------------------|-----------------|-------------|----------|------|
|                            |                 | B/PG        | YG/Y/O/R |      |
| 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>  | 102         | 78       | mW   |
| Operating Temperature      | Topr            | -30 ~ + 85  |          | °C   |
| Storage Temperature        | Tstg            | -40 ~ + 100 |          | °C   |
| Lead Soldering Temperature | Tsol            | 260°C/5sec  |          | -    |

#Pulse width Max 0.1ms, Duty ratio max 1/10

## ■Directivity



## ■Electrical -Optical Characteristics

(Ta=25°C)

| Part Number | Color        |    |                                                                                     | V <sub>F</sub> (V)*  |      |      | I <sub>R</sub> (μA) | I <sub>v</sub> (mcd)* |      |      | λD(nm)* |      |      | 2θ1/2(deg) |
|-------------|--------------|----|-------------------------------------------------------------------------------------|----------------------|------|------|---------------------|-----------------------|------|------|---------|------|------|------------|
|             |              |    |                                                                                     | Min.                 | Typ. | Max. | Max.                | Min.                  | Typ. | Max. | Min.    | Typ. | Max. | Typ.       |
|             |              |    |                                                                                     | I <sub>F</sub> =20mA |      |      | V <sub>R</sub> =5V  | I <sub>F</sub> =20mA  |      |      |         |      |      |            |
| OSB5YU7K93B | Blue         | B  |  | -                    | 2.9  | 3.4  | 10                  | 500                   | 750  | -    | 460     | 465  | 470  | 90         |
| OSG5TA7K93B | Pure Green   | PG |  | -                    | 2.9  | 3.4  | 10                  | 1120                  | 1560 | -    | 520     | 525  | 530  | 90         |
| OSG8HA7K93B | Yellow Green | YG |  | -                    | 2.1  | 2.6  | 10                  | 150                   | 220  | -    | 565     | 570  | 575  | 90         |
| OSY5JA7K93B | Yellow       | Y  |  | -                    | 2.1  | 2.6  | 10                  | 220                   | 330  | -    | 585     | 590  | 595  | 90         |
| OSO5JA7K93B | Orange       | O  |  | -                    | 2.1  | 2.6  | 10                  | 220                   | 330  | -    | 600     | 605  | 610  | 90         |
| OSR5JA7K93B | Red          | R  |  | -                    | 2.1  | 2.6  | 10                  | 220                   | 330  | -    | 620     | 625  | 630  | 90         |

\*1 Tolerance of measurements of dominant wavelength is ±1nm

\*2 Tolerance of measurements of chromaticity coordinate is ±10%

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

\*4 Tolerance of measurements of forward voltage is ±0.1V

**LED & Application Technologies**

