



**EN:** This Datasheet/Document is presented by the manufacturer.

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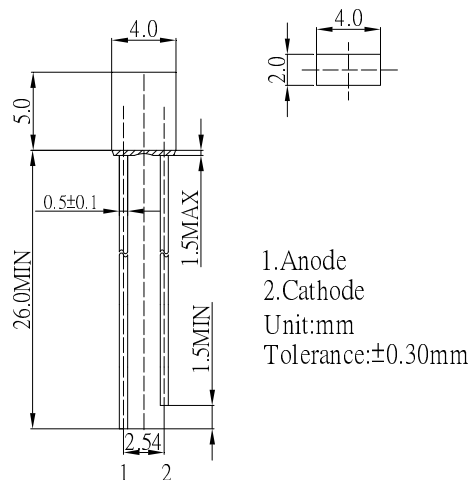
## ■Features

- High Luminous LEDs
- 2x4x5mm Rectangular Standard Directivity
- Long Lifetime Operation
- UV Resistant Epoxy
- Color Diffused Type / White Diffused

## ■Applications

- Games & Toys
- Indications
- Back Lighting
- Decorations

## ■Outline Dimension



## ■Absolute Maximum Rating

(Ta=25°C)

| Item                       | Symbol           | Value      |          | Unit |
|----------------------------|------------------|------------|----------|------|
|                            |                  | W/M/B/PG   | YG/Y/O/R |      |
| DC Forward Current         | I <sub>F</sub>   | 25         | 30       | mA   |
| Pulse Forward Current#     | I <sub>FP</sub>  | 80         | 100      | mA   |
| Reverse Voltage            | V <sub>R</sub>   | 5          | 5        | V    |
| Power Dissipation          | P <sub>D</sub>   | 90         | 78       | mW   |
| Operating Temperature      | T <sub>opr</sub> | -40 ~ +85  |          | °C   |
| Storage Temperature        | T <sub>stg</sub> | -40~ +85   |          | °C   |
| Lead Soldering Temperature | T <sub>sol</sub> | 260°C/5sec |          | -    |

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

## ■Electrical -Optical Characteristics

(Ta=25°C)

| Part Number | Color        |    |                                                                                     | V <sub>F</sub> (V)*  |      |      | I <sub>R</sub> (μA) | I <sub>v</sub> (mcd)* |      |      | CCT/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  |      |      |                 |      |      |            |
| OSW5YK7YA4B | White        | W  |                                                                                     | -                    | 3.1  | 3.6  | 10                  | 500                   | 750  | -    | CCT:8000-18000K |      |      | 100        |
| OSM5YK7YA4B | Warm White   | M  |                                                                                     | -                    | 3.1  | 3.6  | 10                  | 330                   | 500  | -    | CCT:2700-3200K  |      |      | 100        |
| OSB5YU7YA4B | Blue         | B  |  | -                    | 3.1  | 3.6  | 10                  | 150                   | 220  | -    | 465             | 470  | 475  | 100        |
| OSG5TA7YA4B | Pure Green   | PG |  | -                    | 3.1  | 3.6  | 10                  | 330                   | 500  | -    | 520             | 525  | 530  | 100        |
| OSG8HA7YA4B | Yellow Green | YG |  | -                    | 2.1  | 2.6  | 10                  | 68                    | 100  | -    | 565             | 570  | 575  | 100        |
| OSY5JA7YA4B | Yellow       | Y  |  | -                    | 2.1  | 2.6  | 10                  | 100                   | 150  | -    | 585             | 590  | 595  | 100        |
| OSO5JA7YA4B | Orange       | O  |  | -                    | 2.1  | 2.6  | 10                  | 100                   | 150  | -    | 600             | 605  | 610  | 100        |
| OSR5JA7YA4B | Red          | R  |  | -                    | 2.1  | 2.6  | 10                  | 100                   | 150  | -    | 620             | 625  | 630  | 100        |

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

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

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

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