

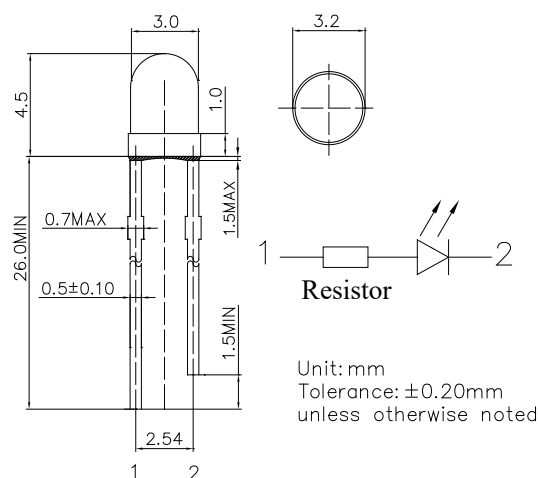
## ■Features

- High Luminous LEDs
- 3mm Round Standard Directivity
- UV Resistant Epoxy
- Integral Current Limiting Resistor
- TTL Compatible (Requires No External Current Limiter With 12 Volt Supply)
- Cost Effective (Saves Space and Resistor Cost)
- Color Diffused / White Diffused (W, M only)

## ■Applications

- Status Indicators
- Other Lighting

## ■Outline Dimension

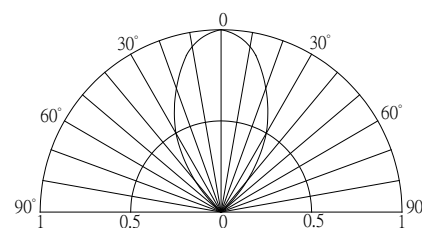


## ■Absolute Maximum Rating

(Ta=25°C)

| Item                       | Symbol         | Value      | Unit |
|----------------------------|----------------|------------|------|
| DC Forward Voltage         | V <sub>F</sub> | 15         | V    |
| Reverse Voltage            | V <sub>R</sub> | 12         | V    |
| Power Dissipation          | P <sub>D</sub> | 225        | mW   |
| Operating Temperature      | Topr           | -30 ~ +85  | °C   |
| Storage Temperature        | Tstg           | -30 ~ +85  | °C   |
| Lead Soldering Temperature | Tsol           | 260°C/5sec | -    |

## ■Directivity



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

| Part Number     | Color        |    |  | I <sub>F</sub> (mA)  |      |      | I <sub>v</sub> (mcd)* |      |      | λD(nm)* / CCT(K)*                         |      |      | 2θ1/2(deg) |
|-----------------|--------------|----|--|----------------------|------|------|-----------------------|------|------|-------------------------------------------|------|------|------------|
|                 |              |    |  | Min                  | Typ. | Max. | Min.                  | Typ. | Max. | Min.                                      | Typ. | Max. | Typ.       |
|                 |              |    |  | V <sub>F</sub> = 12V |      |      | V <sub>F</sub> = 12V  |      |      | V <sub>F</sub> = 12V                      |      |      |            |
| OSW5DK3C62A-12V | Cool White   | W  |  | -                    | 10   | 15   | 750                   | 1120 | -    | X=0.27, Y=0.28<br>(CCT:8500-10000-18000K) |      |      | 60         |
| OSM5DK3C62A-12V | Warm White   | M  |  | -                    | 10   | 15   | 750                   | 1120 | -    | X=0.45, Y=0.41<br>(CCT:2700-3000-3300K)   |      |      | 60         |
| OSB5SA3C64A-12V | Blue         | B  |  | -                    | 10   | 15   | 150                   | 220  | -    | 465                                       | 470  | 475  | 60         |
| OSG5DA3C64A-12V | Pure Green   | TG |  | -                    | 10   | 15   | 750                   | 1120 | -    | 520                                       | 525  | 530  | 60         |
| OSG8HA3C64A-12V | Yellow Green | G  |  | -                    | 10   | 15   | 68                    | 100  | -    | 565                                       | 570  | 575  | 60         |
| OSY5JA3C64A-12V | Yellow       | Y  |  | -                    | 10   | 15   | 100                   | 150  | -    | 585                                       | 590  | 595  | 60         |
| OSO5JA3C64A-12V | Orange       | O  |  | -                    | 10   | 15   | 100                   | 150  | -    | 600                                       | 605  | 610  | 60         |
| OSR5JA3C64A-12V | Red          | R  |  | -                    | 10   | 15   | 100                   | 150  | -    | 620                                       | 625  | 630  | 60         |

\*1 Tolerance of measurements of Domi. wavelength is ±1nm

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

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

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