

■ Features

- High Luminous LEDs
- 3mm Round Standard Directivity
- Candle Flashing Type
- Water Clear

■ Applications

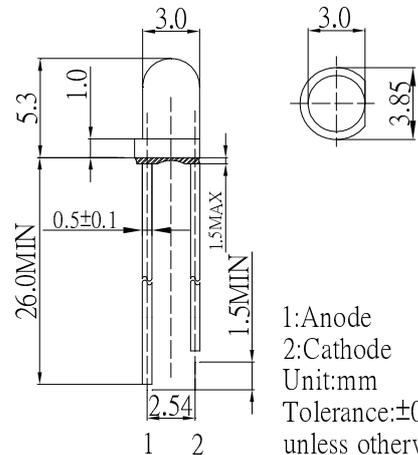
- Toys
- Games
- Audio
- Other Lighting

■ Absolute Maximum Rating

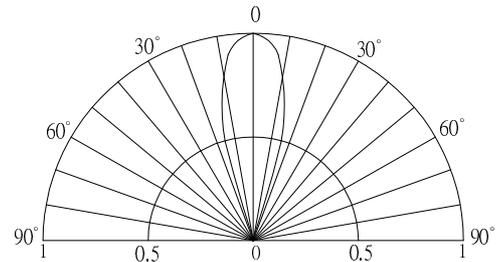
(Ta=25°C)

| Item | Symbol | Value | Unit |
|----------------------------|---------|------------|------|
| Power Supply | Voltage | 5.0 | V |
| Operating Temperature | Topr | -30 ~ +85 | °C |
| Storage Temperature | Tstg | -40~ +100 | °C |
| Lead Soldering Temperature | Tsol | 260°C/5sec | - |

■ Outline Dimension



■ Directivity



■ Electrical -Optical Characteristics

(Ta=25°C)

| Part Number | Color | | V _F (V) | | | I _v (mcd)* | | | CCT(K)/λD(nm)* | | | 2θ _{1/2} (deg) |
|-------------|------------|----|----------------------|------|------|-----------------------|-------|------|----------------------------|------|------|-------------------------|
| | | | Min. | Typ. | Max. | Typ. | Typ. | Max. | Min. | Typ. | Max. | Typ. |
| | | | I _F =20mA | | | I _F =20mA | | | | | | |
| OS5WDK3131A | White | W | 2.5 | 3.3 | 5.0 | 5800 | 7000 | - | 8500-18000K(X:0.27,Y:0.28) | | | 30 |
| OS5MDK3131A | Warm White | M | 2.5 | 3.3 | 5.0 | 4200 | 5800 | - | 2700-3300K(X:0.45,Y:0.41) | | | 30 |
| OS2MDK3131A | Warm White | M | 2.5 | 3.3 | 5.0 | 4200 | 5800 | - | 2000-2400K(X:0.51,Y:0.41) | | | 30 |
| OSB5SK3131A | Blue | B | 2.5 | 3.3 | 5.0 | 1560 | 2500 | - | 465 | 470 | 475 | 30 |
| OSG5DK3131A | Pure Green | PG | 2.5 | 3.3 | 5.0 | 12000 | 14000 | - | 520 | 525 | 530 | 30 |
| OSY5MK3131A | Yellow | Y | 2.5 | 3.3 | 5.0 | 4200 | 5800 | - | 585 | 590 | 595 | 30 |
| OSR5MK3131A | Red | R | 2.5 | 3.3 | 5.0 | 4200 | 5800 | - | 620 | 625 | 630 | 30 |

*1 Tolerance of measurements of Chromaticity coordinates is ±10%

*2 Tolerance of measurements of Dominant wavelength is ±1nm

*3 Tolerance of measurements of Luminous intensity is ±15%

*4 Tolerance of measurements of Forward voltage is ±0.1V

*5 Tolerance of measurements of Frequency is ±20%

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