

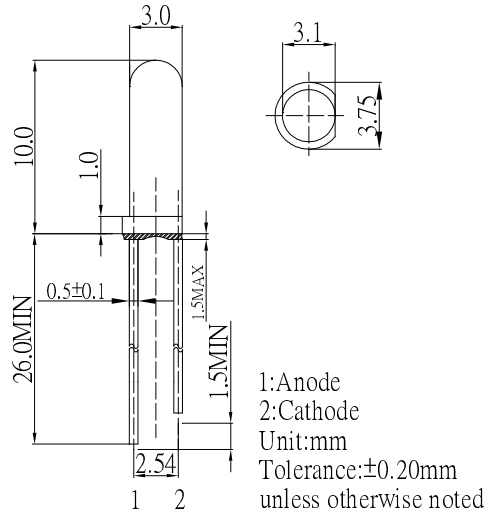
■ Features

- High Luminous LEDs
- 3mm Round Standard Directivity
- Superior Weather-resistance
- UV Resistant Epoxy

■ Applications

- Electronic Signs And Signals
- Small Area Illuminations
- Back Lighting/ Indication Lighting

■ Outline Dimension



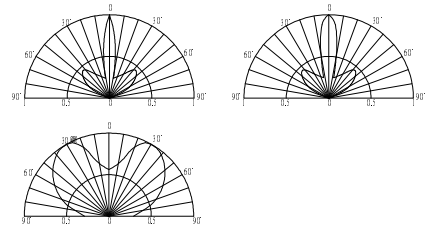
■ Absolute Maximum Rating

(Ta=25°C)

| Item | Symbol | Value | | Unit |
|----------------------------|------------------|-------------|-------|------|
| | | W/M/K/BL/PG | Y/O/R | |
| DC Forward Current | I _F | 30 | 30 | mA |
| Pulse Forward Current* | I _{FP} | 100 | 100 | mA |
| Reverse Voltage | V _R | 5 | 5 | V |
| Power Dissipation | P _D | 102 | 78 | mW |
| Operating Temperature | T _{opr} | -30 ~ +85 | | °C |
| Storage Temperature | T _{stg} | -40 ~ +100 | | °C |
| Lead Soldering Temperature | T _{sol} | 260 °C/5sec | | - |

*Pulse width Max.10ms Duty ratio max 1/10

■ Directivity



■ Electrical -Optical Characteristics

(Ta=25°C)











| Part Number | Color | | V _F (V) | | | I _R (μA) | I _v (mcd) | | | CCT(K)* | | | 201/2(deg) |
|-------------|------------|---|----------------------|------|------|---------------------|----------------------|----------------------|------|----------------------------|------|------|------------|
| | | | Min. | Typ. | Max. | Max. | Min. | Typ. | Max. | Min. | Typ. | Max. | Typ. |
| | | | I _F =20mA | | | V _R =5V | | I _F =20mA | | | | | |
| OSW5DK6C21A | Cool White | W | 2.7 | 2.9 | 3.4 | 10 | 4200 | 5800 | - | 8500-18000K(X:0.27,Y:0.28) | | | 20 |
| OSM5DK6C21A | Warm White | M | 2.7 | 2.9 | 3.4 | 10 | 4200 | 5800 | - | 2700-3300K(X:0.44,Y:0.41) | | | 20 |
| OSK5DK6C21A | Pink | K | 2.7 | 2.9 | 3.4 | 10 | 1120 | 1560 | - | X:0.45,Y:0.17 | | | 20 |
| OSW5DK6CF2A | Cool White | W | 2.7 | 2.9 | 3.4 | 10 | 750 | 1120 | - | 8500-18000K(X:0.27,Y:0.28) | | | 150 |
| OSM5DK6CF2A | Warm White | M | 2.7 | 2.9 | 3.4 | 10 | 750 | 1120 | - | 2700-3300K(X:0.44,Y:0.41) | | | 150 |
| OSK5DK6CF2A | Pink | K | 2.7 | 2.9 | 3.4 | 10 | 220 | 330 | - | X:0.45,Y:0.17 | | | 150 |

*1 Tolerance of measurements of chromaticity coordinate is ±10%

*2 Tolerance of measurements of luminous intensity is ±15%

*3 Tolerance of measurements of forward voltage is ±0.1V

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

| Part Number | Color | | | V _F (V) | | | I _R (μA) | I _v (mcd) | | | Wd(nm)* | | | 2θ1/2(deg) |
|-------------|------------|----|-----------------------------------------------------------------------------------|----------------------|------|------|---------------------|----------------------|------|------|---------|------|------|------------|
| | | | | Min. | Typ. | Max. | Max. | Min. | Typ. | Max. | Min. | Typ. | Max. | Typ. |
| | | | | I _F =20mA | | | V _R =5V | I _F =20mA | | | | | | |
| OSB5SA6C21A | Blue | BL |  | 2.7 | 3.0 | 3.4 | 10 | 1560 | 2180 | - | 465 | 470 | 475 | 20 |
| OSG5DA6C21A | Pure Green | PG |  | 2.7 | 3.0 | 3.4 | 10 | 5800 | 7000 | - | 520 | 525 | 530 | 20 |
| OSY5RU6C11A | Yellow | Y |  | 1.8 | 2.1 | 2.6 | 10 | 750 | 900 | - | 585 | 590 | 595 | 15 |
| OSO5JA6C11A | Orange | O |  | 1.8 | 2.1 | 2.6 | 10 | 500 | 750 | - | 600 | 605 | 610 | 15 |
| OSR5RU6C11A | Red | R |  | 1.8 | 2.1 | 2.6 | 10 | 750 | 900 | - | 620 | 625 | 630 | 15 |
| | | | | | | | | | | | | | | |
| OSB5SA6CF2A | Blue | BL |  | 2.7 | 3.0 | 3.4 | 10 | 150 | 220 | - | 465 | 470 | 475 | 150 |
| OSG5DA6CF2A | Pure Green | PG |  | 2.7 | 3.0 | 3.4 | 10 | 500 | 750 | - | 520 | 525 | 530 | 150 |
| OSY5RU6CF2A | Yellow | Y |  | 1.8 | 2.1 | 2.6 | 10 | 100 | 150 | - | 585 | 590 | 595 | 150 |
| OSO5JA6CF2A | Orange | O |  | 1.8 | 2.1 | 2.6 | 10 | 68 | 100 | - | 600 | 605 | 610 | 150 |
| OSR5RU6CF2A | Red | R |  | 1.8 | 2.1 | 2.6 | 10 | 100 | 150 | - | 620 | 625 | 630 | 150 |

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

*2 Tolerance of measurements of luminous intensity is ±15%

*3 Tolerance of measurements of forward voltage is ±0.1V