

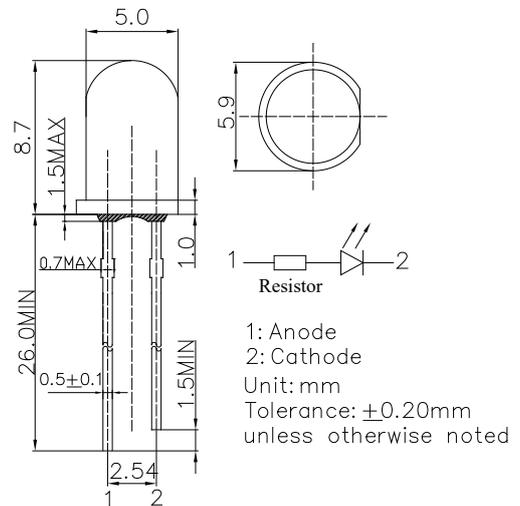
■ Features

- High Luminous LEDs
- 5mm 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)
- White Diffused

■ Applications

- Status Indicators
- Other Lighting

■ Outline Dimension

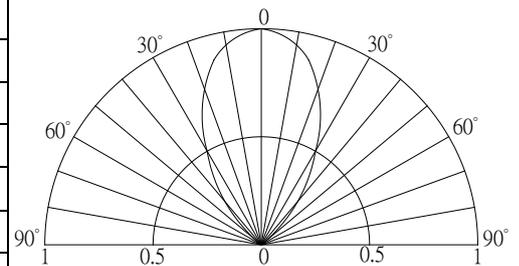


■ Absolute Maximum Rating

(Ta=25°C)

| Item | Symbol | Value | Unit |
|----------------------------|------------------|------------|------|
| DC Forward Voltage | V _F | 15 | V |
| Reverse Voltage | V _R | 5 | V |
| Power Dissipation | P _D | 225 | mW |
| Operating Temperature | T _{opr} | -30 ~ +85 | °C |
| Storage Temperature | T _{stg} | -40 ~ +100 | °C |
| Lead Soldering Temperature | T _{sol} | 260°C/5sec | - |

■ Directivity



■ Electrical -Optical Characteristics

(Ta=25°C)

| Part Number | Color | | | I _F (mA) | | | I _v (mcd)* | | | λD(nm)* / CCT(K) | | | 2θ1/2(deg) |
|-----------------|--------------|----|---|----------------------|------|------|-----------------------|------|------|---------------------------------|------|------|------------|
| | | | | Min | Typ. | Max. | Min. | Typ. | Max. | Min. | Typ. | Max. | Typ. |
| | | | | V _F = 12V | | | V _F = 12V | | | | | | |
| OSW5DK5B62A-12V | Cool White | W | | - | 10 | 15 | 1560 | 2180 | - | X=0.27, Y=0.28(CCT:8500-18000K) | | | 60 |
| OSM5DK5B62A-12V | Warm White | M |  | - | 10 | 15 | 1560 | 2180 | - | X=0.45, Y=0.41(2700-3300K) | | | 60 |
| OSK5DK5B62A-12V | Pink | K | | - | 10 | 15 | 500 | 750 | - | X=0.45, Y=0.17 | | | 60 |
| OSB5SA5B62A-12V | Blue | B |  | - | 10 | 15 | 750 | 1120 | - | 465 | 470 | 475 | 60 |
| OSG5DA5B62A-12V | Pure Green | PG |  | - | 10 | 15 | 1560 | 2180 | - | 520 | 525 | 530 | 60 |
| OSG8HA5B62A-12V | Yellow Green | YG |  | - | 10 | 15 | 68 | 100 | - | 565 | 570 | 575 | 60 |
| OSY5PA5B62A-12V | Yellow | Y |  | - | 10 | 15 | 750 | 1120 | - | 585 | 590 | 595 | 60 |
| OSO5PA5B62A-12V | Orange | O |  | - | 10 | 15 | 750 | 1120 | - | 600 | 605 | 610 | 60 |
| OSR5PA5B62A-12V | Red | R |  | - | 10 | 15 | 750 | 1120 | - | 620 | 625 | 630 | 60 |

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

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

*3 Tolerance of measurements of dominant wavelength is +1nm