OptoSupply
Light It Up

# 5mm Round Red & Yellow Green LED

## OSRGHA5B62A

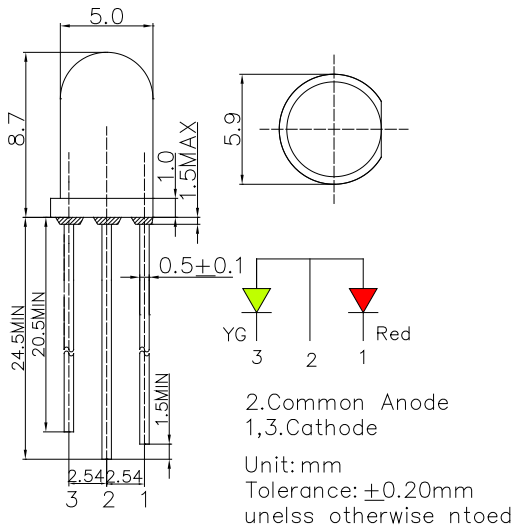
## ▪Features

- High Luminous LEDs
- 5mm Round Standard Directivity
- UV Resistant Epoxy
- White Diffused Type
- Common Anode Type

## ▪Applications

- Toys
- Games
- Audio
- General Use

## ▪Outline Dimension

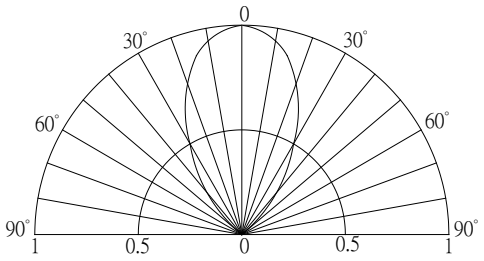



## ▪Absolute Maximum Rating (Ta=25℃)

| Item | Symbol | Value | | Unit |
|---|---|---|---|---|
| | | Red | YG | |
| 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 | $P_D$ | 78 | 78 | mW |
| Operating Temperature | Topr | -30~ +85 | | ℃ |
| Storage Temperature | Tstg | -40 ~ +100 | | ℃ |
| Lead Soldering Temperature | Tsol | 260℃/5sec | | - |

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

## ▪Directivity




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

| Item | Symbol | Condition | Min. | Typ. | Max. | Unit |
|---|---|---|---|---|---|---|
| DC Forward Voltage*1 | $V_F$ (Red) | $I_F$=20mA | - | 2.1 | 2.6 | V |
| | $V_F$ (YG) | $I_F$=20mA | - | 2.1 | 2.6 | V |
| DC Reverse Current | $I_R$ | $V_R$=5V | - | - | 10 | μA |
| Domi. Wavelength*2 | $\lambda_D$ (Red) | $I_F$=20mA | 620 | 625 | 630 | nm |
| | $\lambda_D$ (YG) | $I_F$=20mA | 565 | 570 | 575 | nm |
| Luminous Intensity*3 | Iv (Red) | $I_F$=20mA | 100 | 150 | - | mcd |
| | Iv (YG) | $I_F$=20mA | 68 | 100 | - | mcd |
| 50% Power Angle | $2\theta_{1/2}$ | $I_F$=20mA | - | 60 | - | deg |

*1 Tolerance of measurements of forward voltage is ±0.1V
*2 Tolerance of measurements of dominant wavelength is ±1nm
*3 Tolerance of measurements of luminous intensity is ±15%