OptoSupply

# 3mm Round Yellow & Yellow Green LED

## OSYGHC3131A

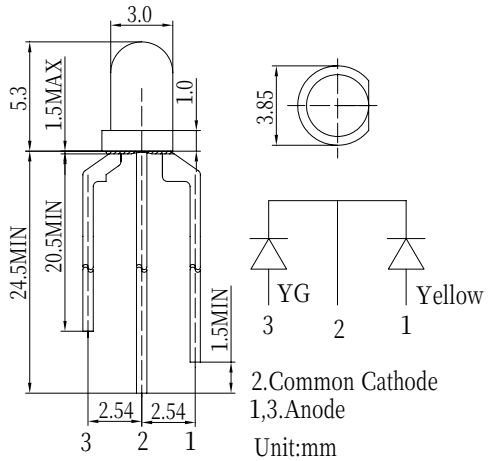
## ▪Features

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

## ▪Applications

- Toys
- Games
- Audio
- Other Lighting

## ▪Outline Dimension



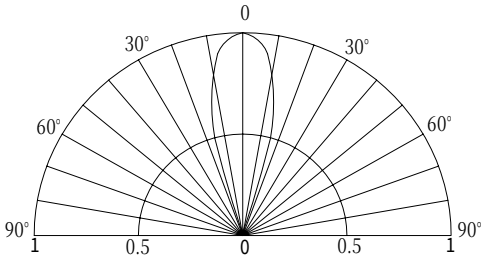

2.Common Cathode
1,3.Anode
Unit:mm
Tolerance:±0.30mm

## ▪Absolute Maximum Rating (Ta=25°C)

| Item | Symbol | Value | | Unit |
|---|---|---|---|---|
| | | Yellow | 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 | | °C |
| Storage Temperature | Tstg | -40 ~ +100 | | °C |
| Lead Soldering Temperature | Tsol | 260°C/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 | $V_F$ (Yellow) | $I_F$=20mA | 1.8 | 2.1 | 2.6 | V |
| DC Forward Voltage | $V_F$ (YG) | $I_F$=20mA | 1.8 | 2.1 | 2.6 | V |
| DC Reverse Current | $I_R$ | $V_R$=5V | - | - | 10 | μA |
| Domi. Wavelength* | $\lambda_D$ (Yellow) | $I_F$=20mA | 585 | 590 | 595 | nm |
| | $\lambda_D$ (YG) | $I_F$=20mA | 565 | 570 | 575 | nm |
| Luminous Intensity* | Iv (Yellow) | $I_F$=20mA | 750 | 1120 | - | mcd |
| | Iv (YG) | $I_F$=20mA | 500 | 800 | - | mcd |
| 50% Power Angle | $2\theta_{1/2}$ | $I_F$=20mA | - | 30 | - | deg |

*1 Tolerance of dominant wavelength is ±1nm
*2 Tolerance of luminous intensity is ±15%

**LED & Application Technologies**

ATTENTION
OBSERVE PRECAUTIONS
ELECTROSTATIC
SENSITIVE DEVICES