| Tpower 4.8mm Straw Bluish Green LED |
|---|
| OSG3D356E1R |

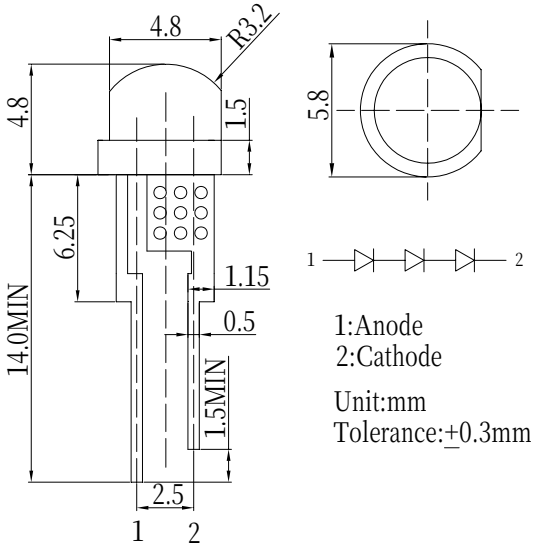
## ■Features

- High Luminous LEDs
- 4.8mm Straw Standard Directivity
- Superior Weather-resistance
- UV Resistant Epoxy
- Water Clear Type

## ■Applications

- Electronic Signs And Signals
- Illuminations
- Medical instruments light
- Other Lighting

## ■Outline Dimension

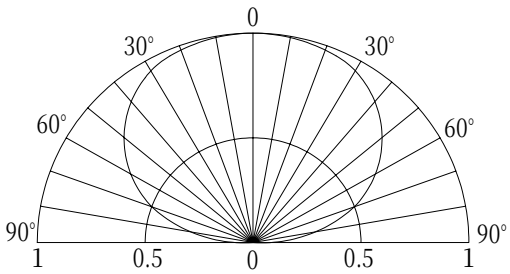



## ■Absolute Maximum Rating (Ta=25℃)

| Item | Symbol | Value | Unit |
|---|---|---|---|
| DC Forward Current | $I_F$ | 25 | mA |
| Pulse Forward Current* | $I_{FP}$ | 100 | mA |
| Reverse Voltage | $V_R$ | 15 | V |
| Power Dissipation | $P_D$ | 270 | 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℃)

| Item | Symbol | Condition | Min. | Typ. | Max. | Unit |
|---|---|---|---|---|---|---|
| DC Forward Voltage | $V_F$ | $I_F$=20mA | 8.7 | 9.3 | 10.8 | V |
| DC Reverse Current | $I_R$ | $V_R$=15V | - | - | 10 | μA |
| Domi Wavelength* | $\lambda_D$ | $I_F$=20mA | 500 | 505 | 510 | nm |
| Luminous Intensity* | Iv | $I_F$=20mA | - | 3800 | - | mcd |
| 50% Power Angle | $2\theta_{1/2}$ | $I_F$=20mA | - | 140 | - | deg |

*1 Tolerance of chromaticity coordinates ±10%
*2 Tolerance of luminous intensity is ±15%