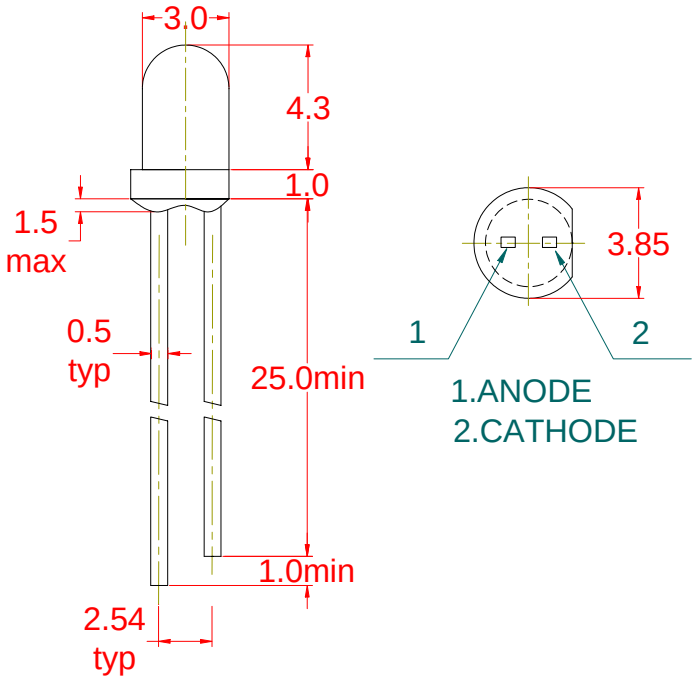
# DATA SHEET for LED

| Part No. | LUW/G/B30243 | |
|---|---|---|
| Emitting Color | Lens' Color | Chip Material |
| Super White/Green/Blue | Water Clear | InGaN |

**Package Dimensions :**




Note :

1. All dimensions are in millimeters(mm)
2. Tolerance is ±0.25mm unless otherwise noted

**Absolute Maximum Rating of Each Segment (Ta = 25℃)**

| Parameter | Symbol | Maximum Rating | Unit |
|---|---|---|---|
| Power Dissipation | $P_M$ | 150 | mW |
| Pulse Forward Current (Duty 1/10 @ 1kHz) | $I_{FP}$ | 100 | mA |
| Continuous Forward Current | $I_F$ | 40 | mA |
| Reverse Voltage | $V_R$ | 6 | V |
| Operation Temperature | $T_{opr}$ | －25℃～85℃ | ℃ |
| Storage Temperature | $T_{stg}$ | －40℃～100℃ | ℃ |
| Soldering Temperature : 2.0mm from Body for 3 seconds at 260℃ | | | |

**Electron-Optical Characteristics of Each Segment (Ta = 25℃)**

| Parameter | Symbol | Min. | Typ. | Max. | Unit | Test Condition |
|---|---|---|---|---|---|---|
| Luminous Intensity | $I_V$ | | 1,500 | | mcd | $I_F$=20 mA |
| Forward Voltage | $V_F$ | | 3.5 | 4.0 | V | $I_F$=20 mA |
| Reverse Current | $I_R$ | | | 50 | μA | $V_R$=5V |
| Dominant Wavelength | $\lambda_d$ | | 473 | | nm | $I_F$=20 mA |
| Peak Emission Wavelength | $\lambda_p$ | | 470 | | nm | $I_F$=20 mA |
| Spectral Line Half Width | $\Delta\lambda$ | | 20 | | nm | $I_F$=20 mA |
| Viewing Angle | $2\Theta1/2$ | | 20 | | deg | $I_F$=20 mA |

Note :

1) The luminous intensity data and $\lambda_P$ is survey values with the machine JF-Ⅱ, JS-2000.
2) $2\Theta1/2$ is the chip angle at which the luminous intensity half the axial luminous intensity.
3) Pay attention to electrostatic (ESD)

**Typical Characteristic Curves :**