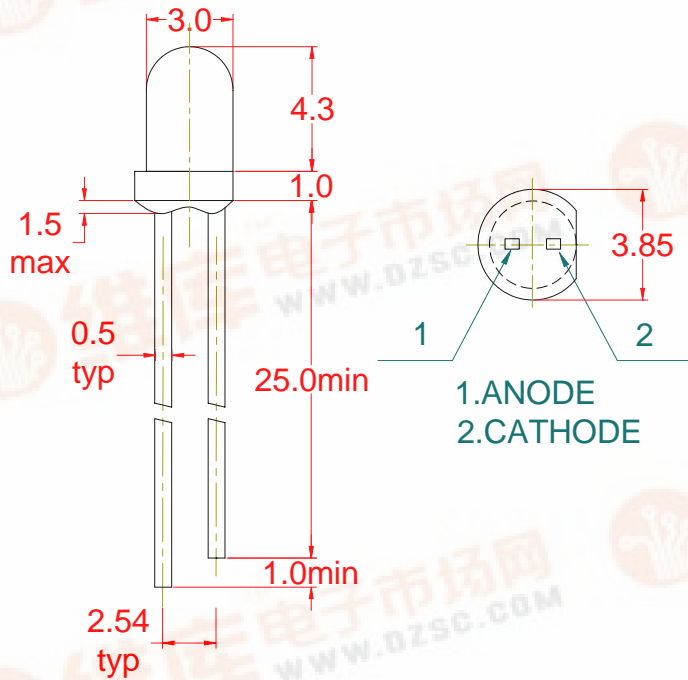


DATA SHEET for LED

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 ± 0.25 mm unless otherwise noted

Absolute Maximum Rating of Each Segment (Ta = 25 °C)

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 °C ~ 85 °C	°C
Storage Temperature	T _{stg}	-40 °C ~ 100 °C	°C
Soldering Temperature : 2.0mm from Body for 3 seconds at 260 °C			

Electron-Optical Characteristics of Each Segment (Ta = 25 °C)

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	λ _d		473		nm	I _F =20 mA
Peak Emission Wavelength	λ _p		470		nm	I _F =20 mA
Spectral Line Half Width	Δλ		20		nm	I _F =20 mA
Viewing Angle	2θ _{1/2}		20		deg	I _F =20 mA

Note :

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

Typical Characteristic Curves :

