OptoSupply
Light It Up

1.6 x 0.8mm Bluish Green Chip LED

OSG30603C1E

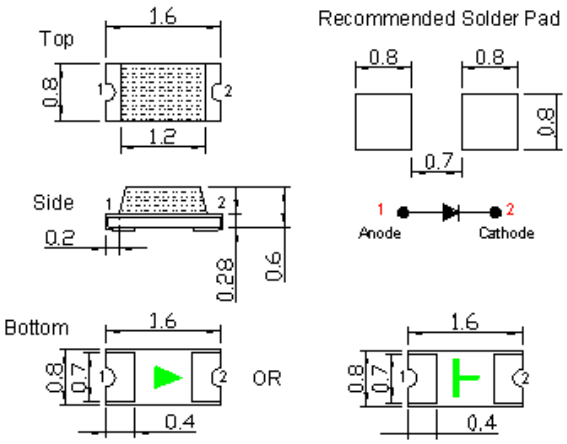
■Features

- Single chip
- Super high brightness of surface mount LED
- Sorting for Iv and Vf @ 5mA of If
- Compact package outline (LxWxT) of 1.6mm x 0.8mm x 0.6mm
- Compatible to IR reflow soldering.
- Water Clear Type

■Applications

- Backlighting (switches, keys, etc.)
- Marker lights (e.g. steps, exit ways, etc.)

■Outline Dimension



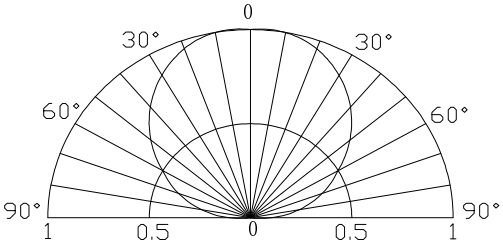
Notes: 1. All dimensions are in millimeters ;
2. Tolerance is ± 0.10 mm unless otherwise noted.

■Absolute Maximum Rating (Ta=25℃)

Item	Symbol	Value	Unit
DC Forward Current	I_F	20	mA
Pulse Forward Current*	I_{FP}	100	mA
Reverse Voltage	V_R	5	V
Power Dissipation	P_D	68	mW
Operating Temperature	Topr	-40 ~ +85	℃
Storage Temperature	Tstg	-40~ +85	℃
Lead Soldering Temperature	Tsol	260℃/10sec	-

*Pulse width Max 0.1ms, Duty ratio max 1/10

■Directivity



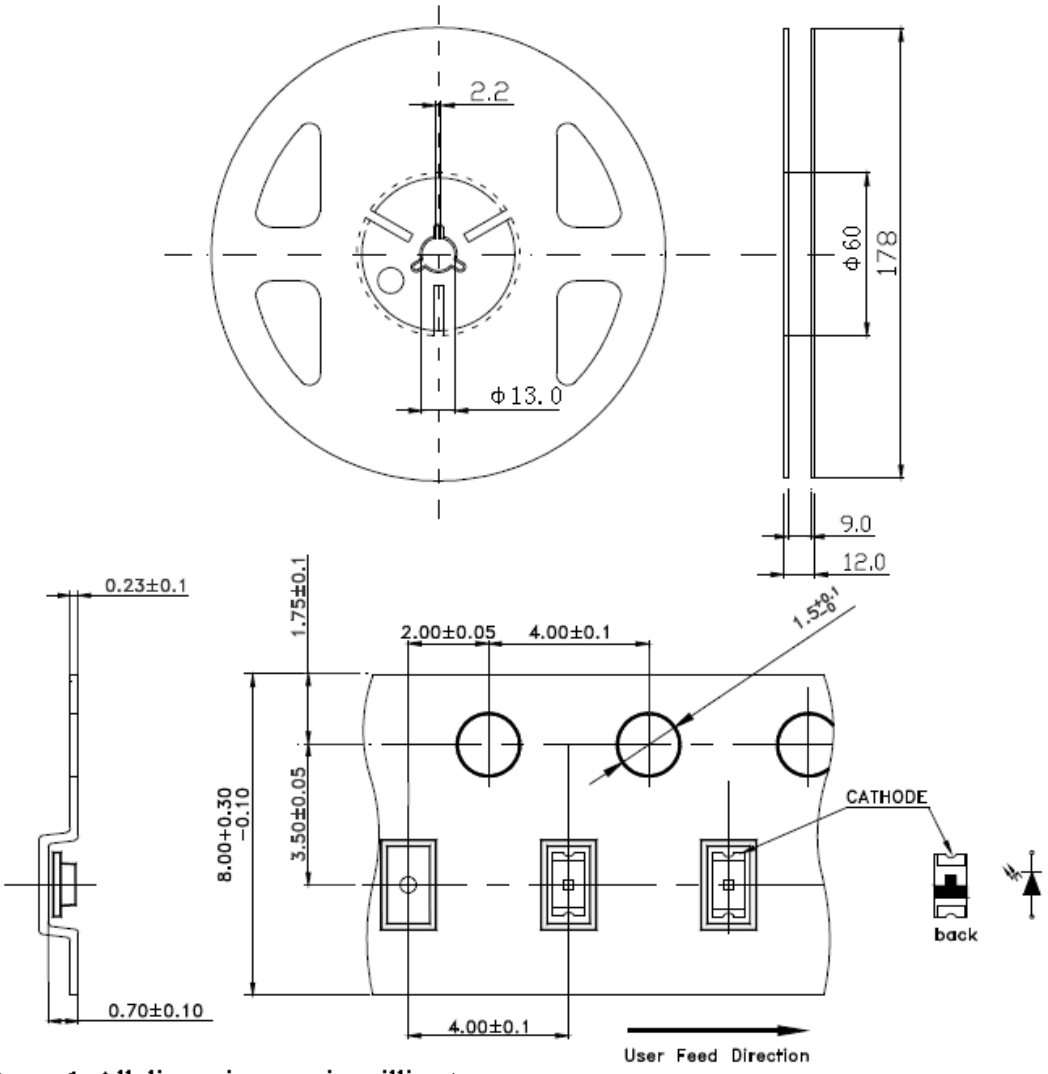
■Electrical -Optical Characteristics (Ta=25℃)

Item	Symbol	Condition	Min.	Typ.	Max.	Unit
DC Forward Voltage	V_F	I_F=5mA	2.4	2.6	3.4	V
DC Reverse Current	I_R	V_R=5V	-	-	10	μA
Domi. Wavelength*	λ_D	I_F=5mA	500	505	510	nm
Luminous Intensity*	Iv	I_F=5mA	250	300	-	mcd
50% Power Angle	$2\theta_{1/2}$	I_F=5mA	-	120	-	deg

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

■ **Reel & Tape Dimensions:**

Quantity: **4,000** units/reel
Diameter: 178 mm



Notes: 1. All dimensions are in millimeters ;