

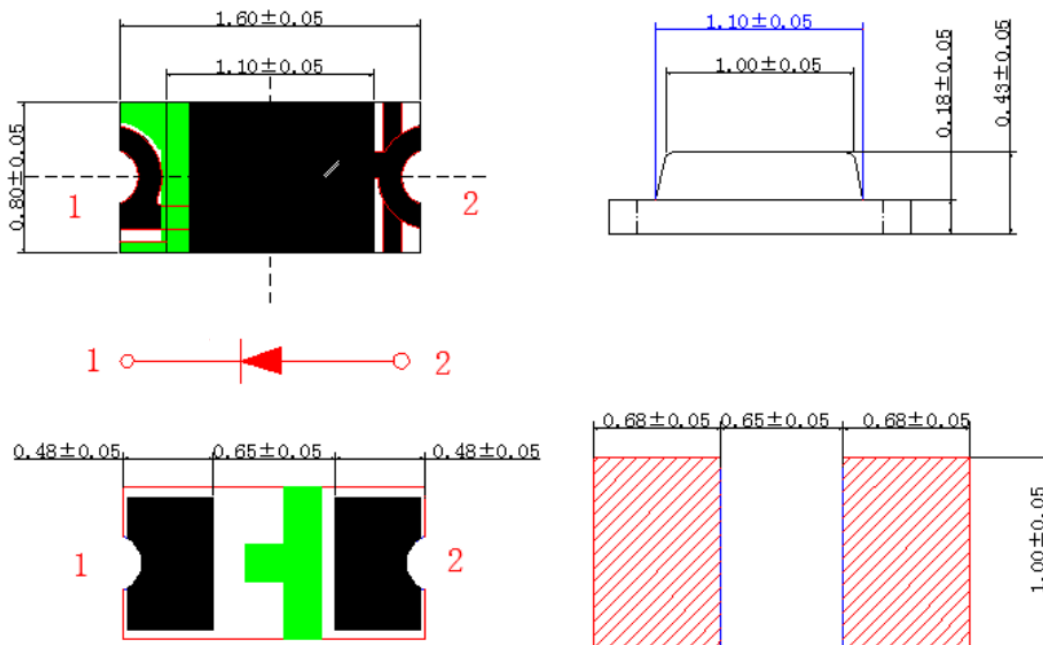
**Product NO: FZLG-0603**



## Product Overview:

- 1.6mmx0.8mm SMD LED, 0.43mm THICKNESS.
- Wide viewing angle
- Ideal for backlighting and indication
- 4000 PCS / Reel
- RoHS Compliant

## Package Dimensions:



- Tolerance is  $\pm 0.15$  unless otherwise noted

### Device Selection:

Part No.	Material	Emitted Color	Lens Color
FZLG-0603	(InGaN)	Green	Water Clear

### Maximum Ratings at TA = 25°C:

Parameter	Symbol	Value	Unit
Dissipation	PD	100	mW
Forward Current	IF	20	mA
Peak Forward Current	IFP	100	mA
Reverse Voltage	VR	5	V
Operating Temperature	Topr	-40°C To +85°C	-
Storage Temperature	Tstg	-40°C To +85°C	-
Reflow Soldering temperature	Tsol	250 ±5(For 10 sec)°C	-
Manual Soldering Temperature	Tsol	300 ±5(For 4 sec)°C	-

### Electrical / Optical Characteristics at TA=25°C:

Parameter	Symbol	Min	Typ	Max	Unit	Test Conditions
Forward Voltage	VF	2.4	-	3.0	V	IF = 5mA
Reverse Current	IR	-	-	10	µA	VR = 5V
Chromaticity Coordinates	WLD	-	525	-	-	IF = 5mA
Luminous Intensity	IV	160	-	350	mcd	IF = 5mA
Viewing Angle	2θ1/2	-	120	-	Deg.	IF = 5mA

## Typical Electrical/Optical Characteristics Curves:

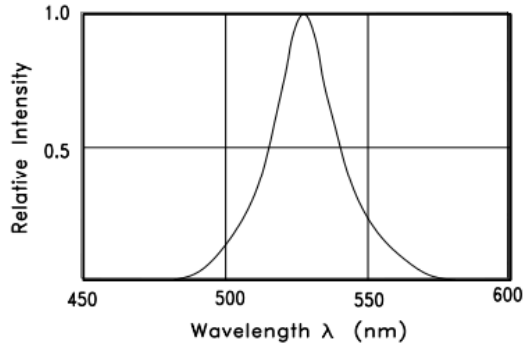


Fig.1 RELATIVE INTENSITY VS. WAVELENGTH

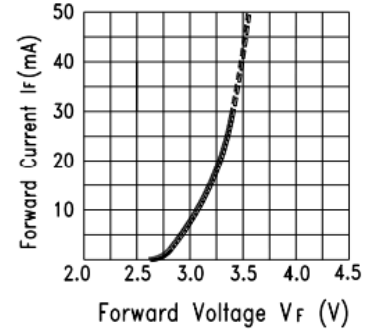


Fig.2 Forward Current vs. Forward Voltage

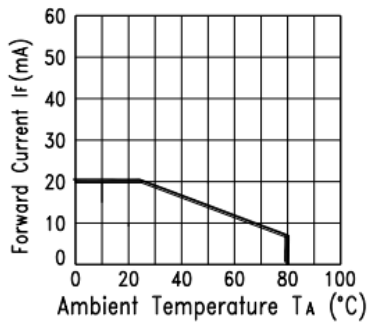


Fig.3 Forward Current Derating Curve

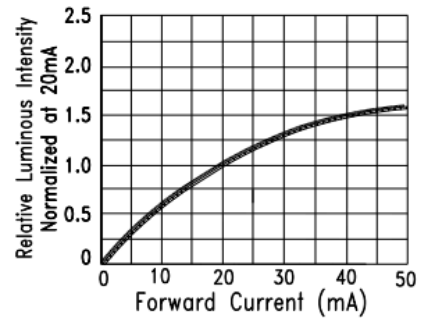


Fig.4 Relative Luminous Intensity vs. Forward Current

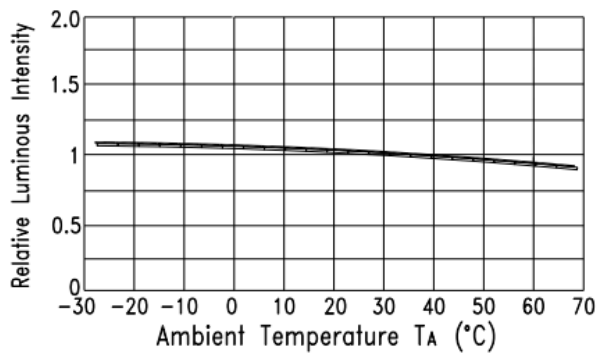


Fig.5 Luminous Intensity vs. Ambient Temperature

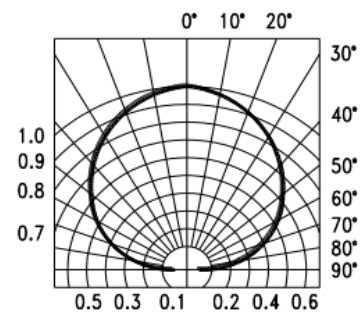
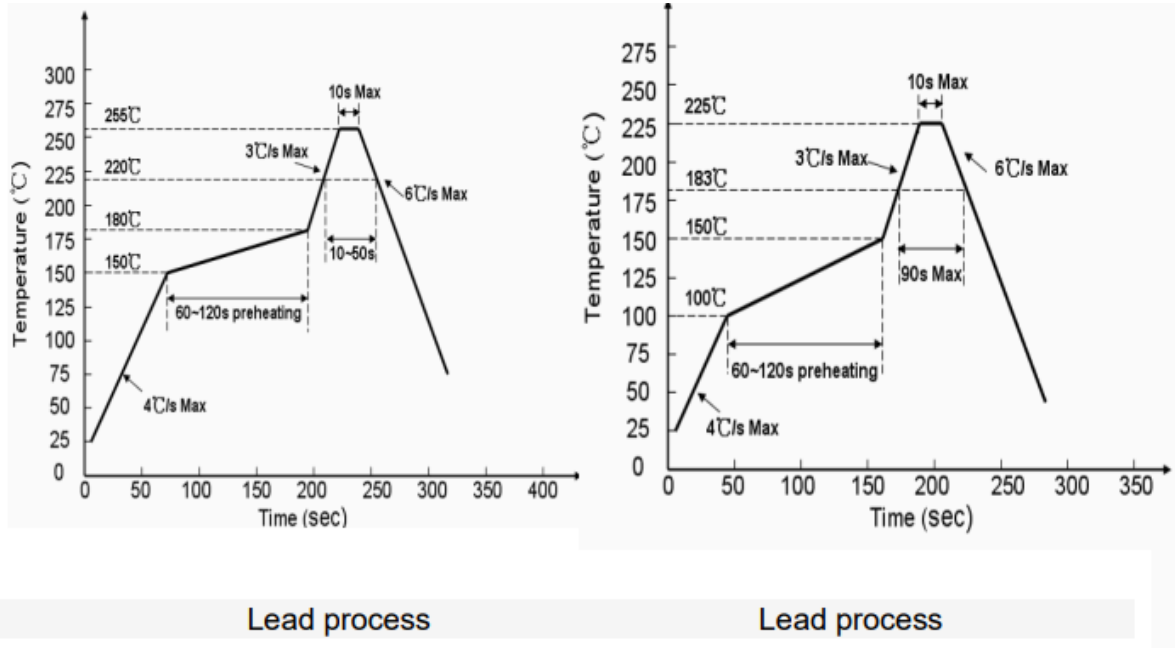


Fig.6 Spatial Distribution

## Soldering Profile:



## Tape Specification:

