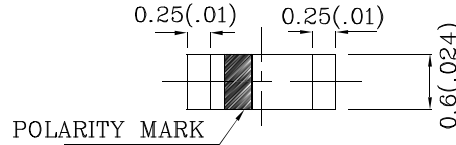
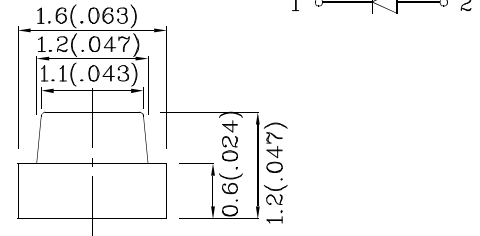
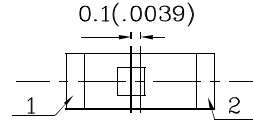


PRELIMINARY SPEC

- 1.6mmx0.6mm right angle SMD LED,1.2mm thickness.
- Low power consumption.
- Wide viewing angle.
- Ideal for backlight and indicator.
- Various colors and lens types available.
- Package :2000pcs / reel.
- Moisture sensitivity level : level 3.
- RoHS compliant



Notes:

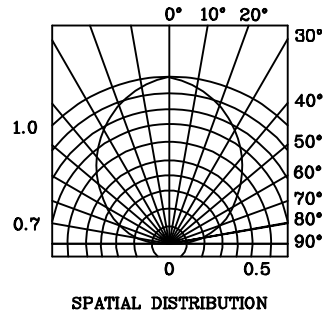
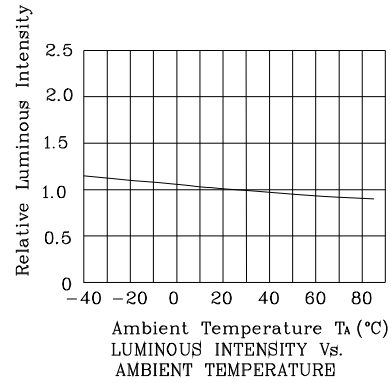
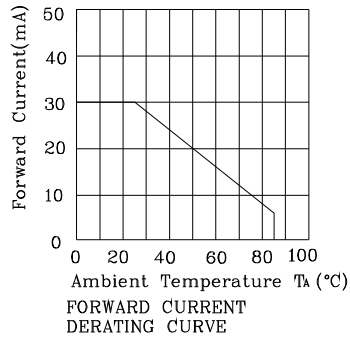
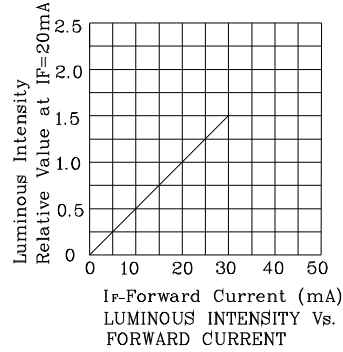
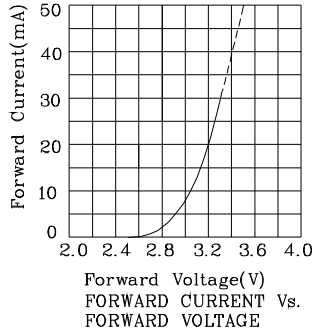
1. All dimensions are in millimeters (inches).
2. Tolerance is $\pm 0.1(0.004)$ unless otherwise noted.
3. Specifications are subject to change without notice.

Absolute Maximum Ratings (TA=25°C)		NWA (InGaN)	Unit
Reverse Voltage	V _R	5	V
Forward Current	I _F	30	mA
Forward Current (Peak) 1/10 Duty Cycle 0.1ms Pulse Width	i _{FS}	100	mA
Power Dissipation	P _T	120	mW
Operating Temperature	T _A	-40 ~ +85	°C
Storage Temperature	T _{stg}	-40 ~ +85	
Electrostatic Discharge Threshold (HBM)		1000	V

Operating Characteristics (TA=25°C)		NWA (InGaN)	Unit
Forward Voltage (Typ.) (I _F =20mA)	V _F	3.2	V
Forward Voltage (Max.) (I _F =20mA)	V _F	4.0	V
Reverse Current (Max.) (V _R =5V)	I _R	10	uA
Chromaticity Coordinates (Typ.)	X	0.31	
	Y	0.31	
Capacitance (Typ.) (V _F =0V, f=1MHz)	C	100	pF

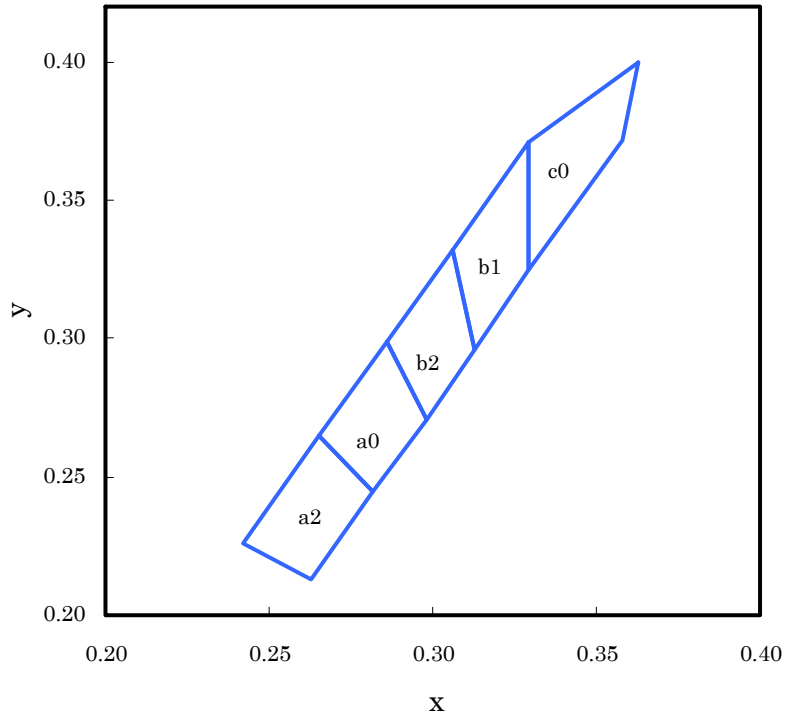
Part Number	Emitting Color	Emitting Material	Lens-color	Luminous Intensity (I _F =20mA) mcd		Viewing Angle 2 θ 1/2
				min.	typ.	
XZNSA87F	White	InGaN	Yellow Fluorescent	50	148	110°

❖ NWA



XZNWA87F

White CIE



Rank a2				
X	0.263	0.282	0.265	0.242
Y	0.213	0.245	0.265	0.226

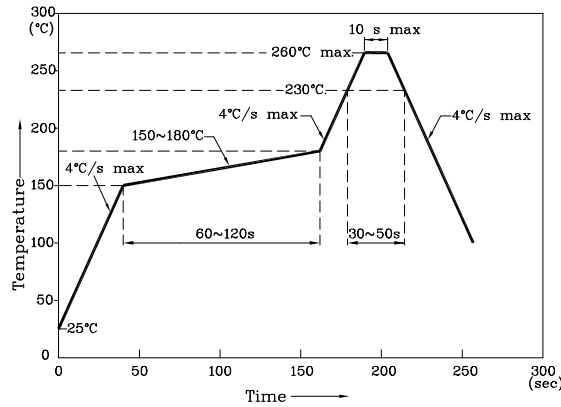
Rank a0				
X	0.282	0.298	0.286	0.265
Y	0.245	0.271	0.299	0.265

Rank b2				
X	0.298	0.313	0.306	0.286
Y	0.271	0.296	0.332	0.299

Rank b1				
X	0.313	0.329	0.329	0.306
Y	0.296	0.325	0.371	0.332

Rank c0				
X	0.329	0.358	0.363	0.329
Y	0.325	0.372	0.400	0.371

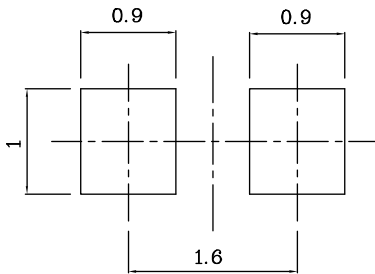
Reflow Soldering Profile For Lead-free SMT Process.



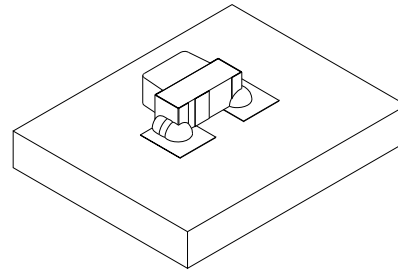
NOTES:

1. Maximum soldering temperature should not exceed 260°C.
2. Recommended reflow temperature: 145°C-260°C.
3. Do not put stress to the epoxy resin during high temperatures conditions.

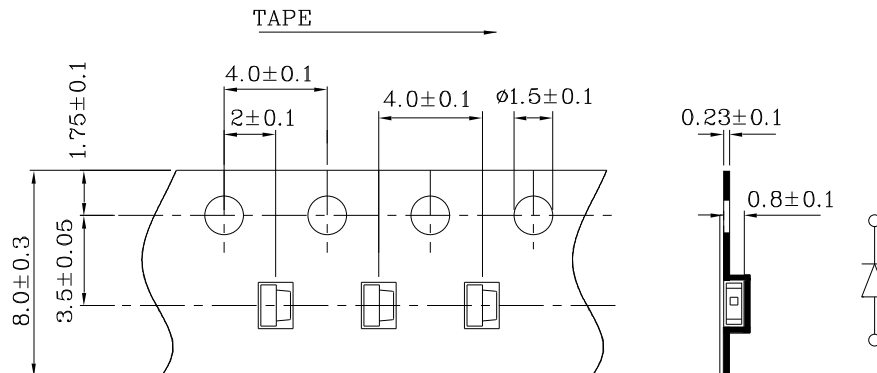
❖ Recommended Soldering Pattern
(Units : mm; Tolerance: ±0.1)



❖ The device has a single mounting surface. The device must be mounted according to the specifications.



❖ Tape Specification (Units : mm)



Remarks:

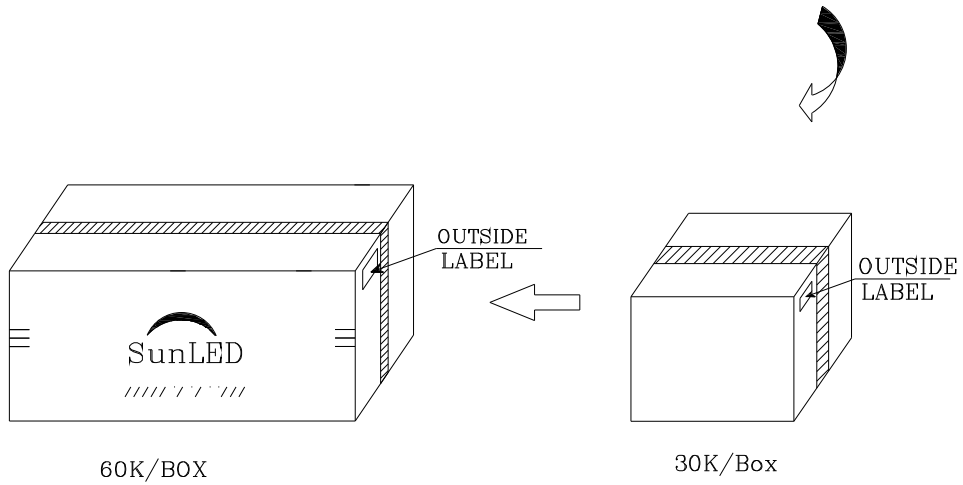
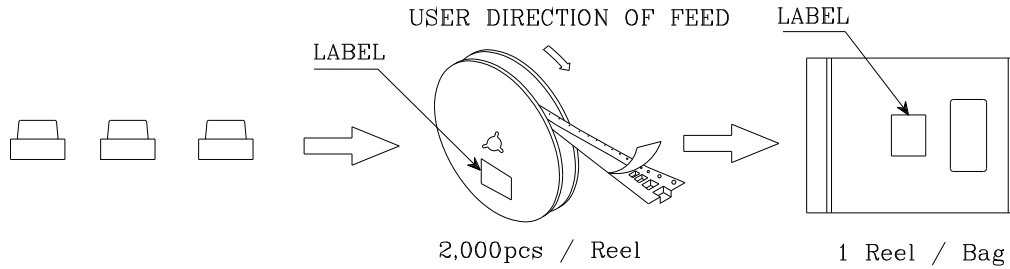
If special sorting is required (e.g. binning based on forward voltage, Luminous intensity/ luminous flux, or chromaticity), the typical accuracy of the sorting process is as follows:

1. Measurement tolerance of the chromaticity coordinates is ±0.01.
2. Luminous intensity/ luminous flux: +/-15%.
3. Forward Voltage: +/-0.1V.

Note: Accuracy may depend on the sorting parameters.

PACKING & LABEL SPECIFICATIONS

XZNA87F



P/NO : XZxx87x

QTY : 2000 pcs CODE: XXX

S/N : XX

LOT NO:



RoHS Compliant