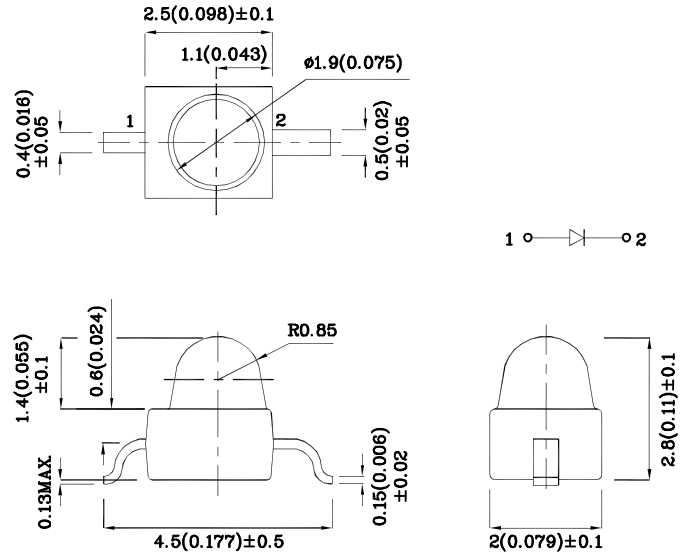


Features

- Ideal for indication light on hand held products
- Long life and robust package
- Variety of lens types and color choices available
- Standard Package: 1,000pcs/ Reel
- MSL (Moisture Sensitivity Level): 3
- RoHS compliant



Package Schematics



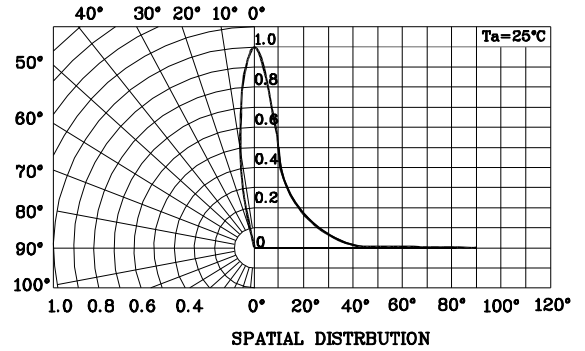
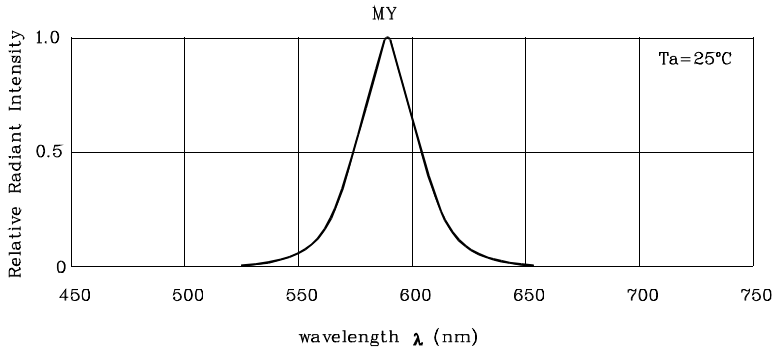
- Notes:
1. All dimensions are in millimeters (inches).
 2. Tolerance is ±0.25(0.01") unless otherwise noted.
 3. Specifications are subject to change without notice.

Absolute Maximum Ratings (T _A =25°C)		MY (AlGaInP)	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}	150	mA
Power Dissipation	P _D	75	mW
Operating Temperature	T _A	-40 ~ +85	°C
Storage Temperature	T _{stg}	-40 ~ +85	

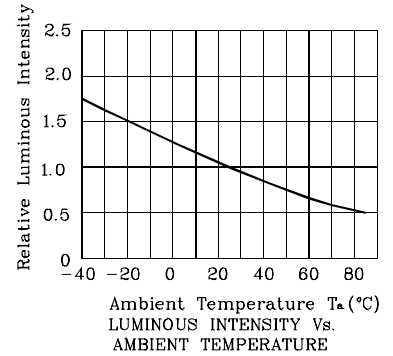
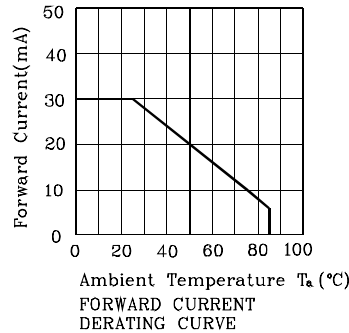
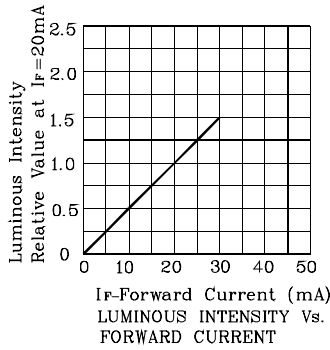
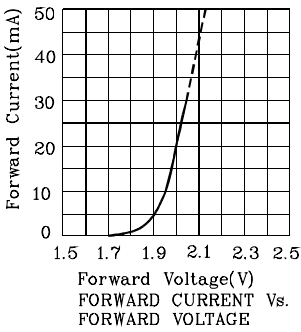
Operating Characteristics (T _A =25°C)		MY (AlGaInP)	Unit
Forward Voltage (Typ.) (I _F =20mA)	V _F	2	V
Forward Voltage (Max.) (I _F =20mA)	V _F	2.5	V
Reverse Current (Max.) (V _R =5V)	I _R	10	µA
Wavelength of Peak Emission CIE127-2007* (Typ.) (I _F =20mA)	λ _P	590*	nm
Wavelength of Dominant Emission CIE127-2007* (Typ.) (I _F =20mA)	λ _D	590*	nm
Spectral Line Full Width At Half-Maximum (Typ.) (I _F =20mA)	Δλ	28	nm
Capacitance (Typ.) (V _F =0V, f=1MHz)	C	25	pF

Part Number	Emitting Color	Emitting Material	Lens-color	Luminous Intensity CIE127-2007* (I _F =20mA) mcd		Wavelength CIE127-2007* nm λ _P	Viewing Angle 2θ 1/2
				min.	typ.		
ZMY46C-3	Yellow	AlGaInP	Yellow Transparent	1300*	2290*	590*	20°

*Luminous intensity value and wavelength are in accordance with CIE127-2007 standards.

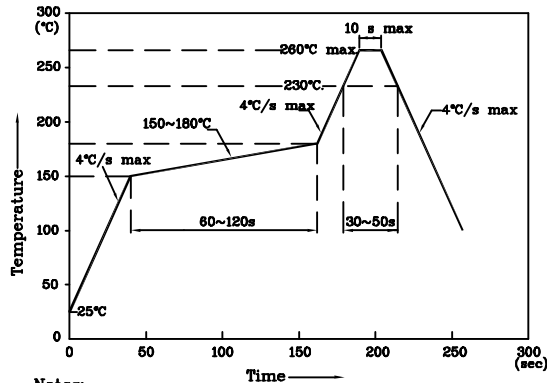


❖ MY



LED is recommended for reflow soldering and soldering profile is shown below.

Reflow Soldering Profile for SMD Products (Pb-Free Components)

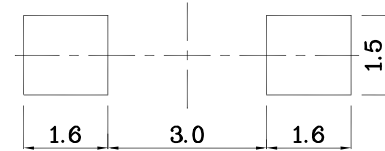
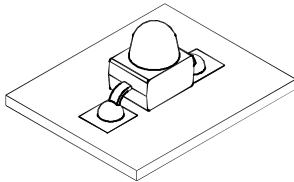


- Notes:
1. Maximum soldering temperature should not exceed 260°C
 2. Recommended reflow temperature: 145°C-260°C
 3. Do not put stress to the epoxy resin during high temperatures conditions

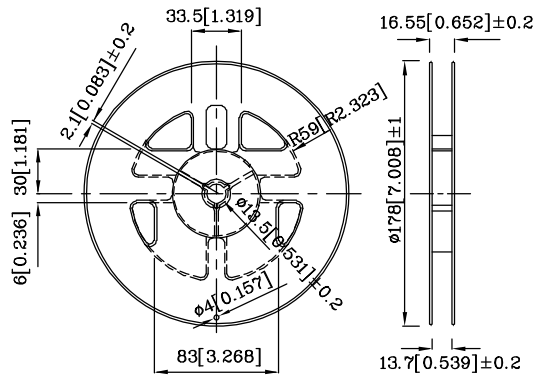


❖ The device has a single mounting surface.
The device must be mounted according to the specifications.

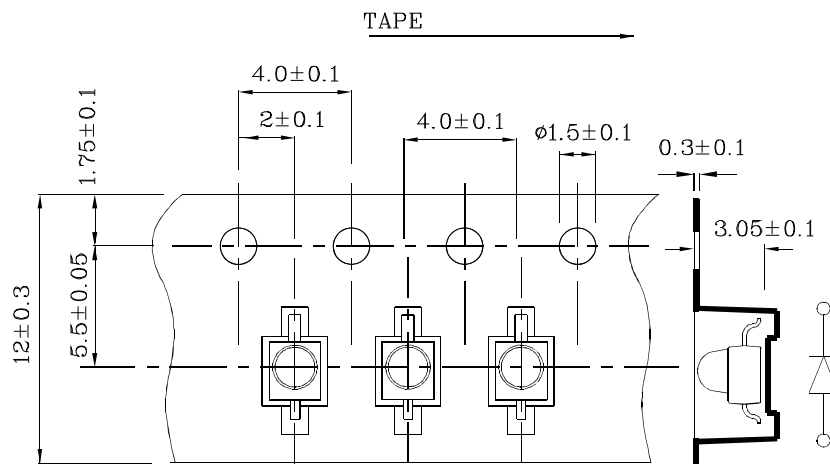
❖ Recommended Soldering Pattern
(Units : mm; Tolerance: ± 0.1)



❖ Reel Dimension



❖ Tape Specification (Units : mm)



Remarks:

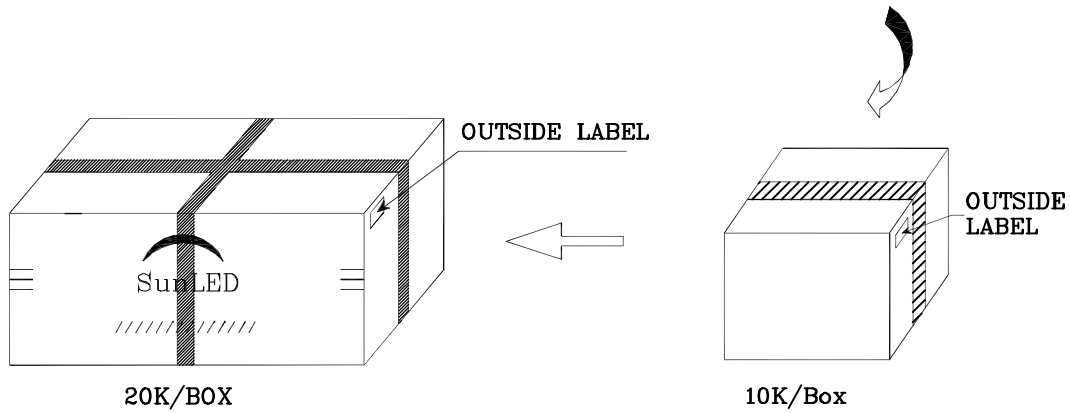
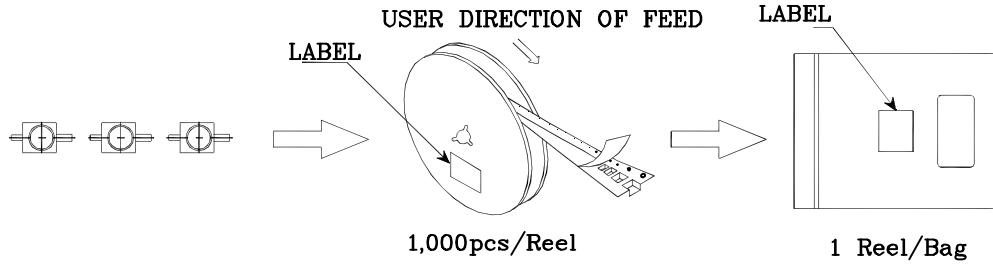
If special sorting is required (e.g. binning based on forward voltage, Luminous intensity / luminous flux, or wavelength), the typical accuracy of the sorting process is as follows:


1. Wavelength: ± 1 nm
2. Luminous intensity / luminous flux: $\pm 15\%$
3. Forward Voltage: ± 0.1 V

Note: Accuracy may depend on the sorting parameters.



PACKING & LABEL SPECIFICATIONS






Q.C. Q C

XX XX XXXX

PASSED

P/NO : Zxxx46x	
QTY : 1,000 pcs	CODE: XXX
S/N : XX	
LOT NO :	
 XXXXXXXXXXXXXXXXXXXXXXXXXX	
RoHS Compliant	