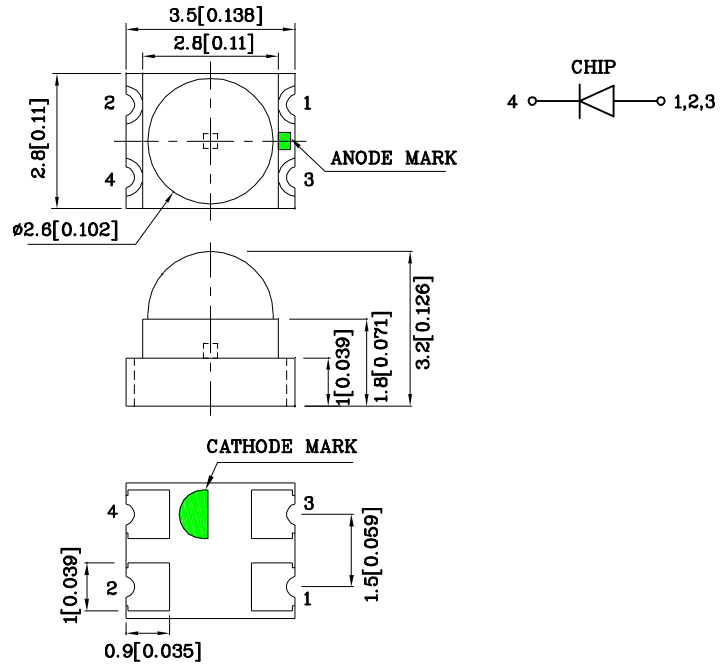


Features

- Ideal for indication light on hand held products
- Long life and robust package
- Variety of lens types and color choices available
- Package: 500pcs / reel
- Moisture sensitivity level : level 3
- RoHS compliant



Package Schematics



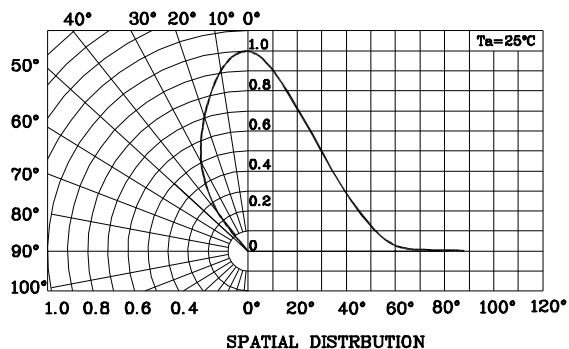
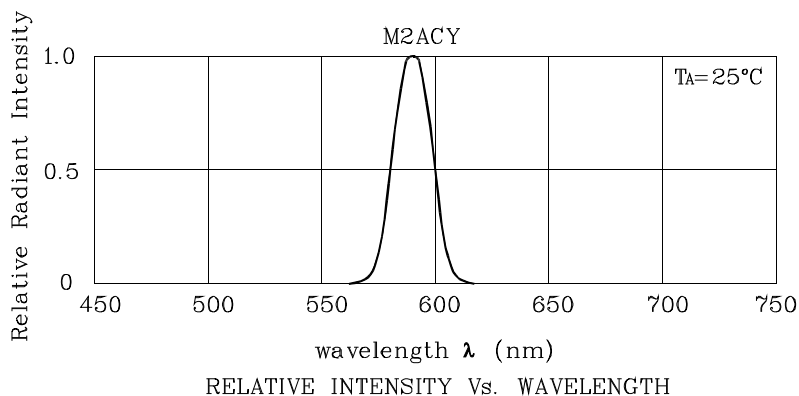
Notes:

1. All dimensions are in millimeters (inches).
2. Tolerance is $\pm 0.2(0.008)$ unless otherwise noted.
3. Specifications are subject to change without notice.

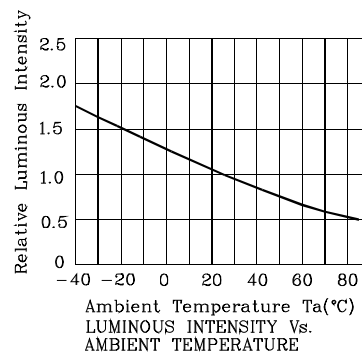
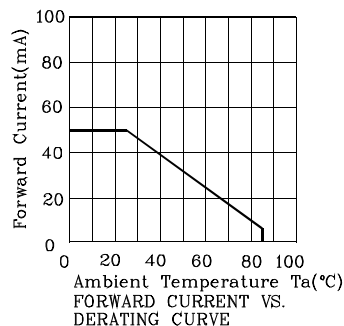
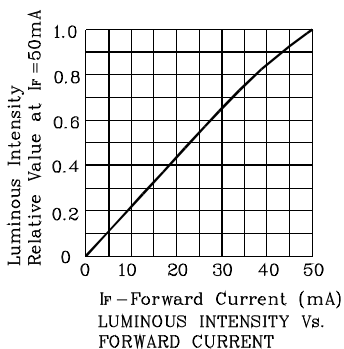
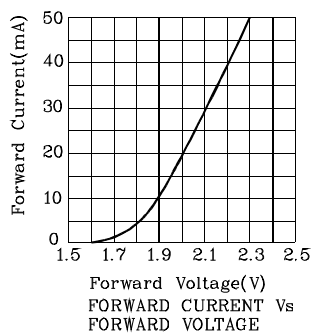
Absolute Maximum Ratings (T _A =25°C)		M2ACY (AlGaInP)	Unit
Reverse Voltage	V _R	5	V
Forward Current	I _F	50	mA
Forward Current (Peak) 1/10 Duty Cycle 0.1ms Pulse Width	i _{FS}	140	mA
Power Dissipation	P _D	140	mW
Operating Temperature	T _A	-40 ~ +85	°C
Storage Temperature	T _{stg}	-40 ~ +85	

Operating Characteristics (T _A =25°C)		M2ACY (AlGaInP)	Unit
Forward Voltage (Typ.) (I _F =50mA)	V _F	2.3	V
Forward Voltage (Max.) (I _F =50mA)	V _F	2.8	V
Reverse Current (Max.) (V _R =5V)	I _R	10	uA
Wavelength of Peak Emission (Typ.) (I _F =50mA)	λ _P	590	nm
Wavelength of Dominant Emission (Typ.) (I _F =50mA)	λ _D	589	nm
Spectral Line Full Width At Half-Maximum (Typ.) (I _F =50mA)	Δλ	20	nm
Capacitance (Typ.) (V _F =0V, f=1MHz)	C	45	pF

Part Number	Emitting Color	Emitting Material	Lens-color	Luminous Intensity (I _F =20mA) mcd	Wavelength nm λP	Viewing Angle 2θ 1/2	
				min.	typ.		
XZM2ACY45W50MAV-6	Yellow	AlGaInP	Water Clear	2500	4490	590	60°

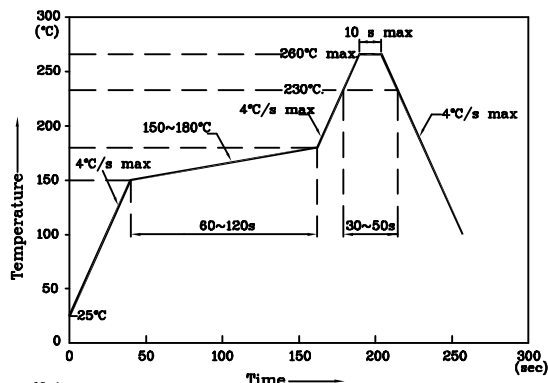


❖ M2ACY



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

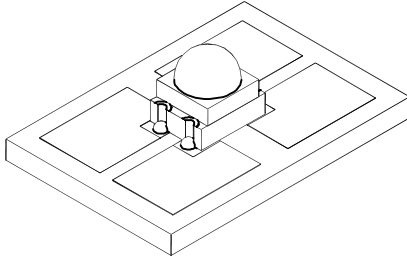
Reflow Soldering Profile for SMD Products (Pb-Free Components)



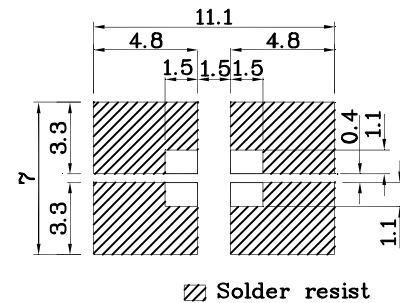
Notes:

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

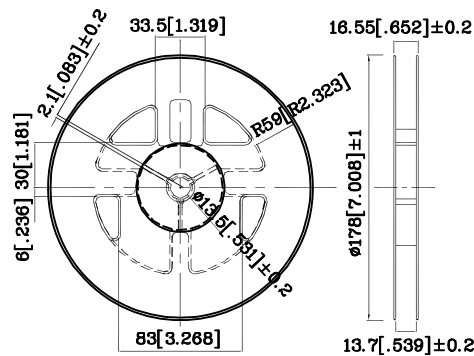
❖ The device has a single mounting surface. The device must be mounted according to the specifications.



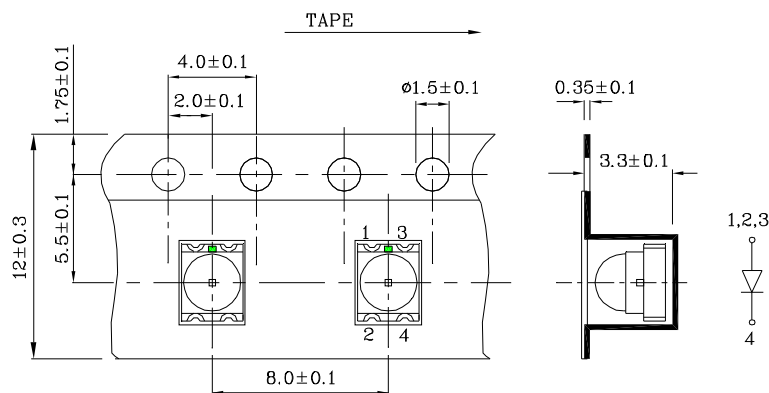
**❖ Recommended Soldering Pattern
(Units : mm; Tolerance: ± 0.1)**



❖ Reel Dimension



❖ Tape Specification (Units : mm)



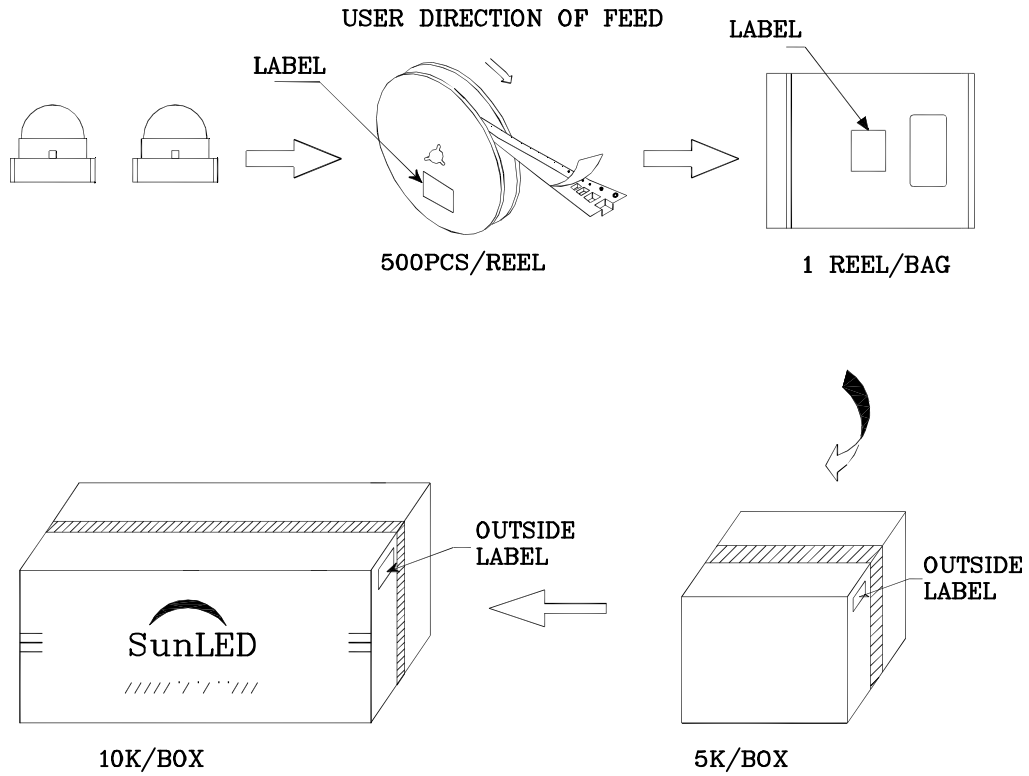
Remarks:

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

Note: Accuracy may depend on the sorting parameters.

PACKING & LABEL SPECIFICATIONS



		Q.C. Q C XX XX XXXX PASSED
P/N0 : XZxxx45x-6		
QTY : 500 pcs		CODE: XXX
S/N : XX		
LOT NO: XXXXXXXXXXXXXXXXXXXX		
RoHS Compliant		