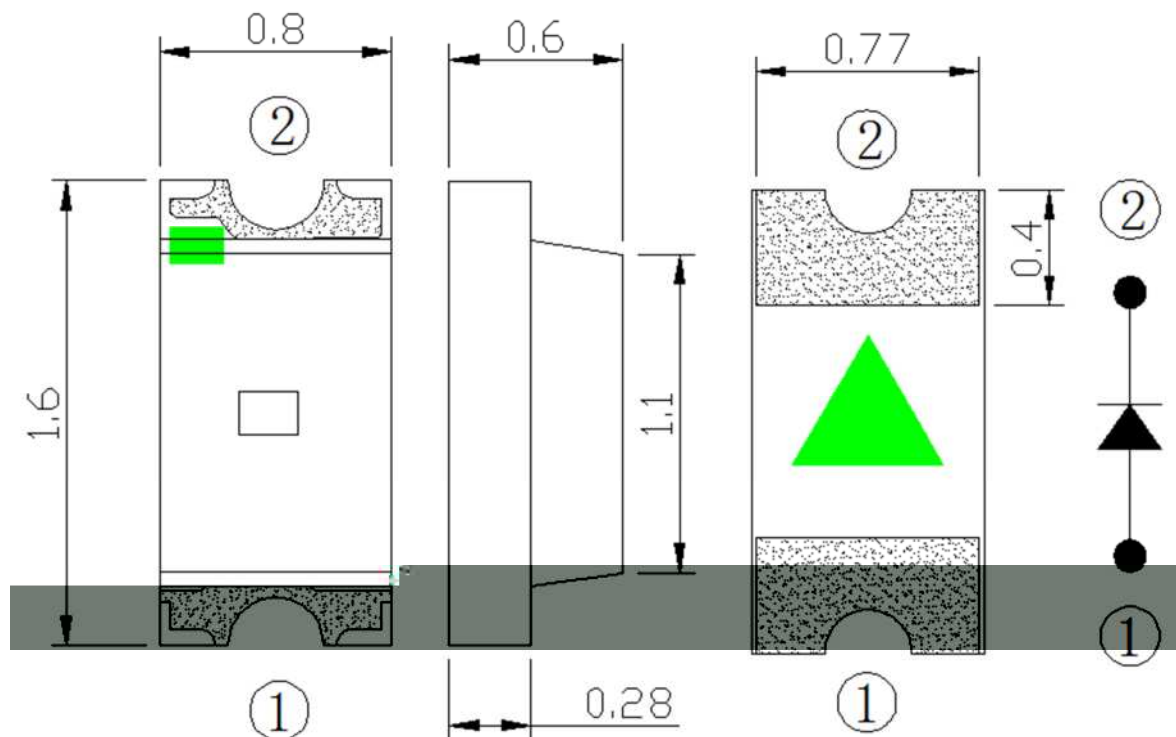


Features

- Pb free product—RoHS compliant
- Low power consumption, High efficiency
- Reliable and rugged
- Long life – solid state reliability
- Viewing Angle: 120°

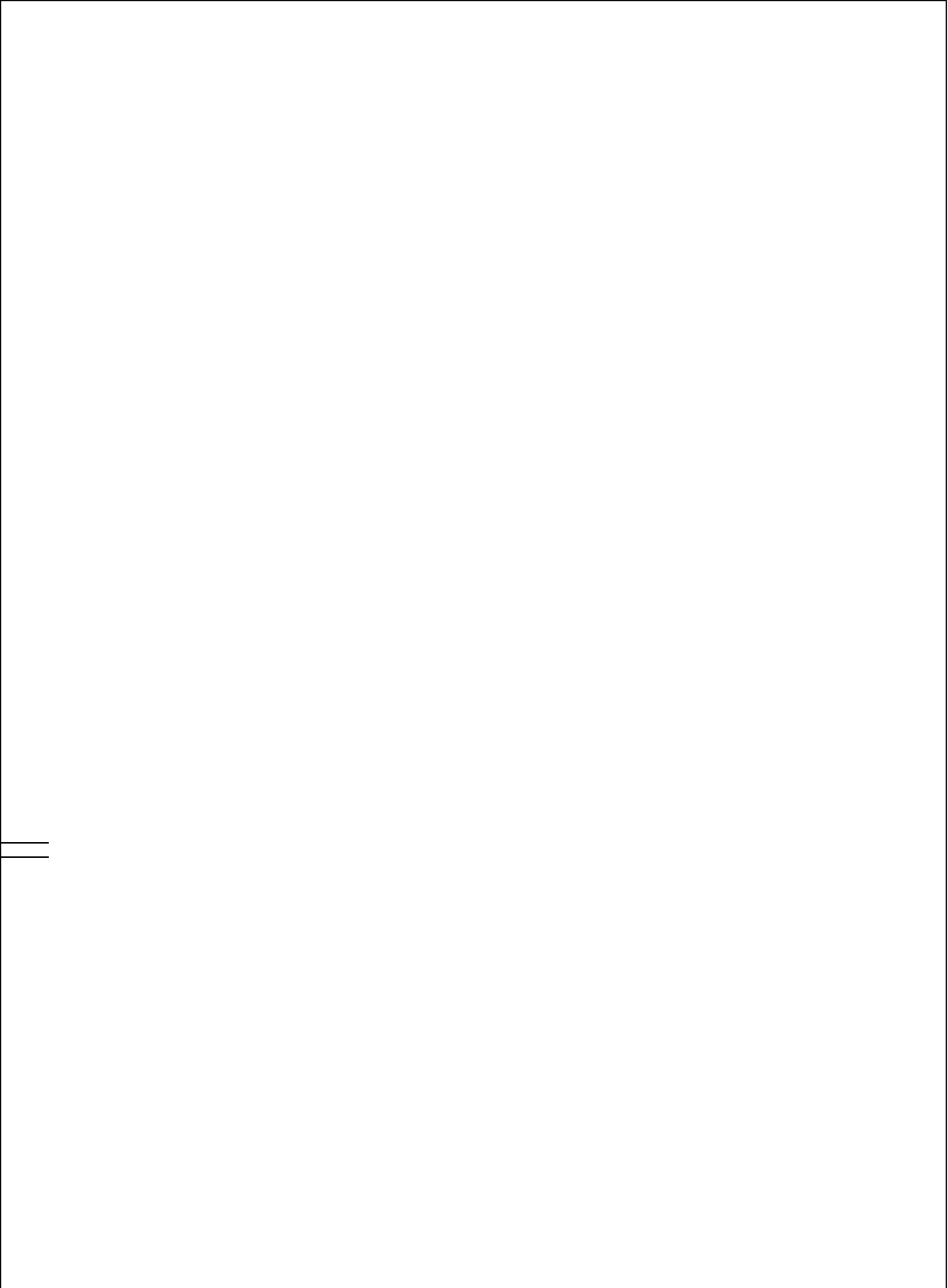
Package Dimension



Part NO.	Lens Color	Source Color
SL-T0603SYC020-L60	Water Clear	Yellow

Notes:

1. All dimensions are in millimeters (inches).
2. Tolerance is 0.10mm(0.004inch) unless otherwise noted
3. Specifications are subject to change without notice.



Part No.	SL-T0603SYC020-L60	Page	3 of 8
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Electrical Optical Characteristics at Ta=25

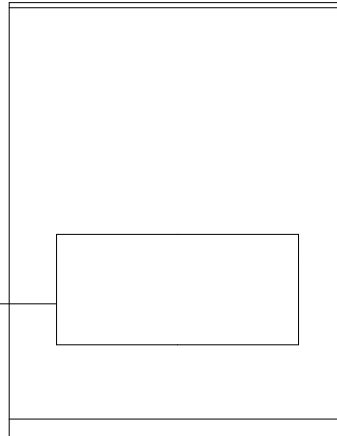
Parameter	Symbol	Min.	Typ.	Max.	Unit	Test Condition
Luminous Intensity	I _v	50	---	200	mcd	I _F =20mA (Note 1)
	$\theta_{1/2}$	---	120	---	Deg.	(Note 2)
						I _F =20mA
						I _F =20mA (Note 3)
Spectral Line Half-Width		---	16	---	nm	I _F =20mA
Forward Voltage	V _F	1.8	---	2.4	V	I _F =20mA
Reverse Current	I _R	---	---	10	μA	V _R =5V

Note:

1. Luminous intensity is measured with a light sensor and filter combination that approximates the CIE eye-response curve. Tolerance of Luminous Intensity: ±15%.
2. $\theta_{1/2}$ is the off-axis angle at which the luminous intensity is half the axial luminous intensity.
3.
single wavelength which defines the color of the device. Tolerance of Dominant Wavelength: ±1.0nm.
4. Tolerance of Forward Voltage: ±0.1V.

Label Explanation

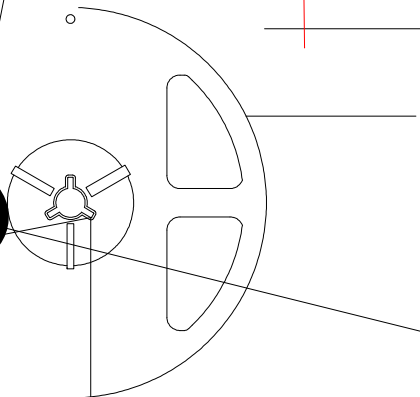
LIGHT	深圳莱特光电股份有限公司 Light Electronics CO., LTD.	
TYPE NO. :	_____	
QUANTITY :	_____	
BIN :	_____	
DATE CODE :	_____	
REMARKS :	_____	



Bag

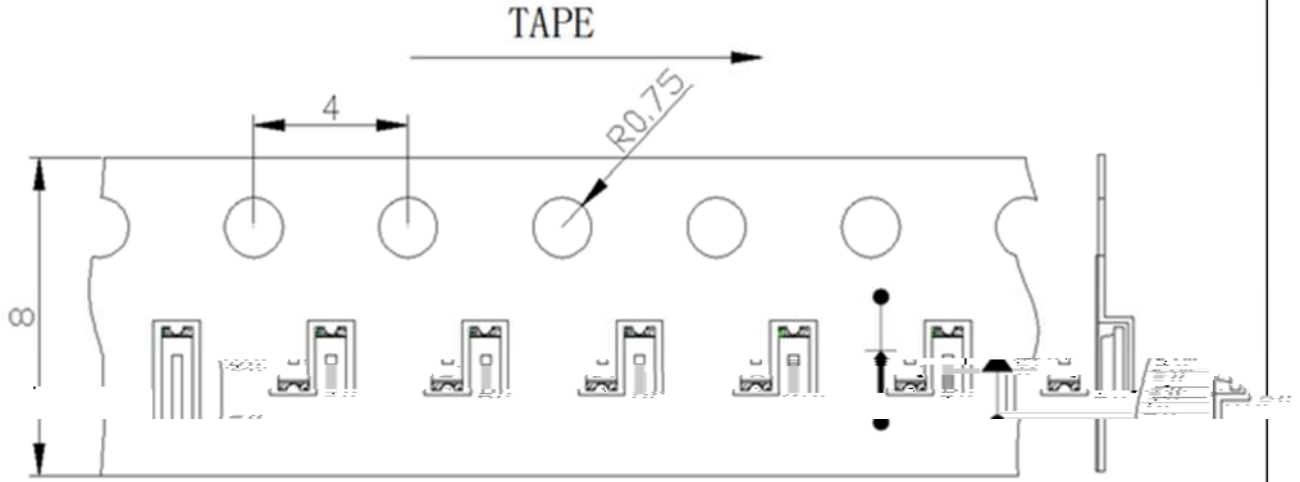
TYPE NO./	QUANTITY/
BIN./	DATE CODE/
REMARKS/	LOT NO./

Reel Dimensions

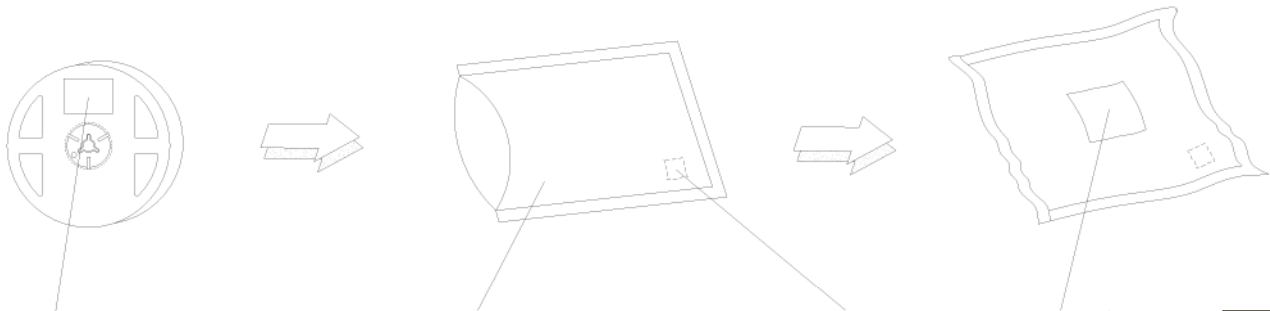


Note: Tolerance unless mentioned is $\pm 0.2\text{mm}$; Unit = mm

Carrier Tape Specifications (Loaded Quantity: 4000pcs/reel)



Moisture Resistant Packaging



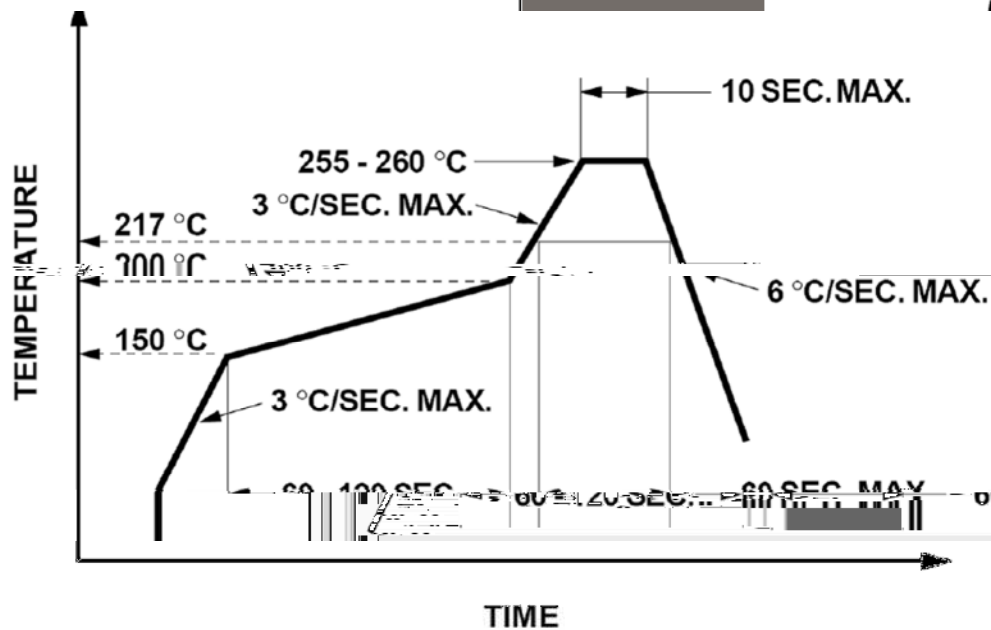
Aluminum moisture-proof bag

Desiccant

Label

Label

Suggest IR Reflow Condition For Lead Free



1. Reflow soldering should not be done more than two times.
2. When soldering, do not put stress on the LEDs during heating.

Soldering iron

1. When hand soldering, the temperature of the iron must less than 300 °C for 3 seconds.
2. The hand solder should be done only once.

Repairing

Repair should not be done after the LEDs have been soldered. When repairing is unavoidable, a double-head soldering iron should be used (as below figure). It should be confirmed beforehand whether the characteristics of LEDs will or will not be damaged by repairing.

