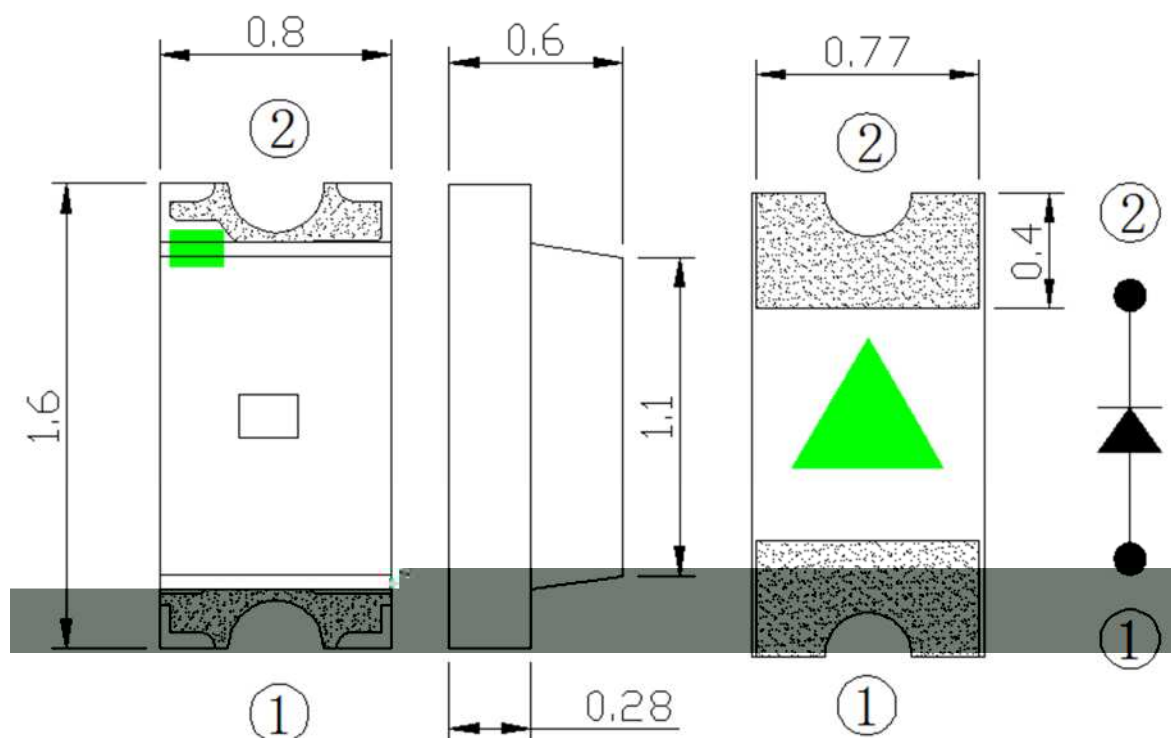




### Features

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

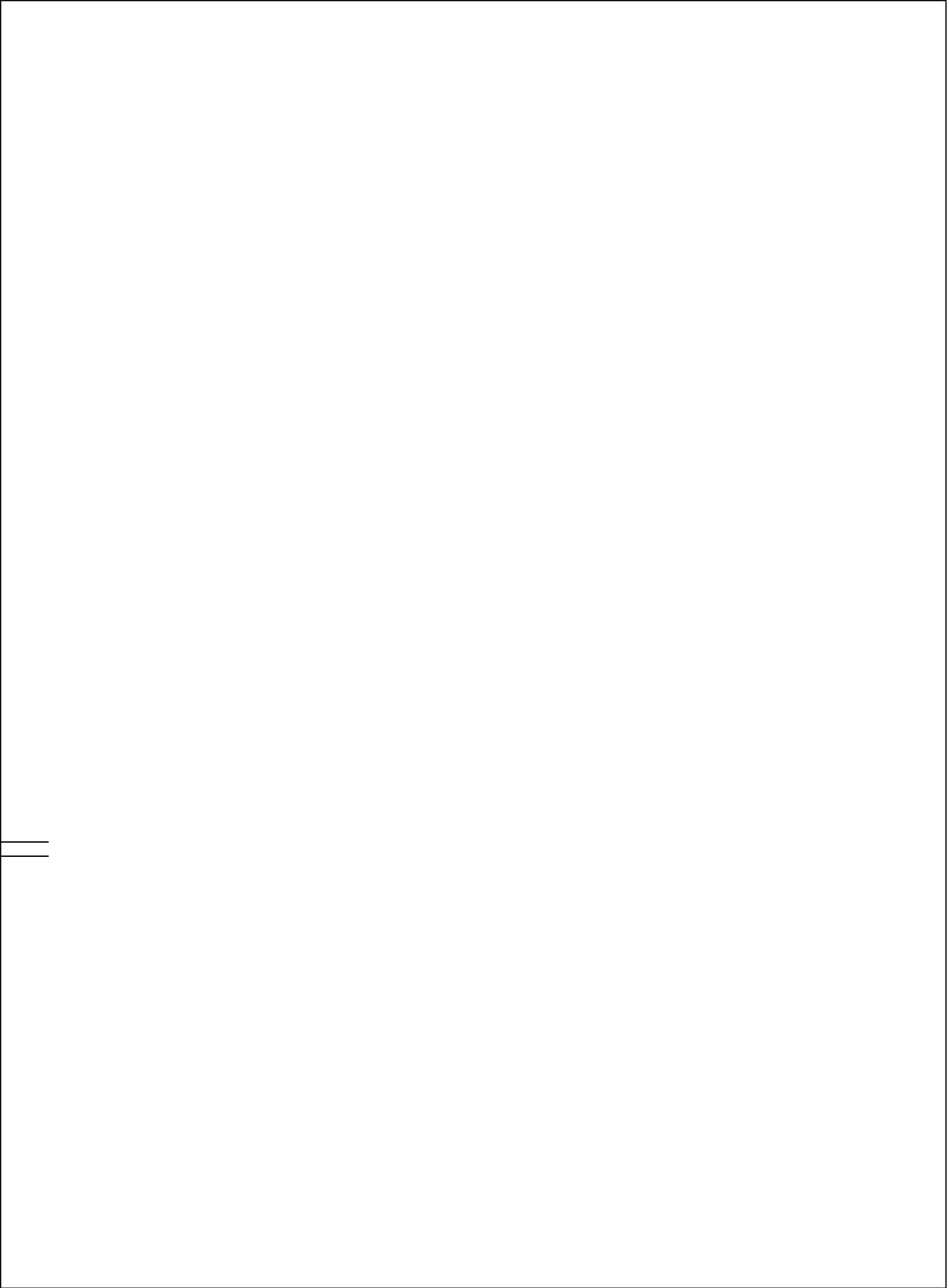
### Package Dimension



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

#### Notes:

- All dimensions are in millimeters (inches).
- Tolerance is 0.10mm(0.004inch) unless otherwise noted
- 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 <sub>v</sub>	50	---	200	mcd	I <sub>F</sub> =20mA (Note 1)
	$\frac{1}{2}$	---	120	---	Deg.	(Note 2)
						I <sub>F</sub> =20mA
						I <sub>F</sub> =20mA (Note 3)
Spectral Line Half-Width		---	16	---	nm	I <sub>F</sub> =20mA
Forward Voltage	V <sub>F</sub>	1.8	---	2.4	V	I <sub>F</sub> =20mA
Reverse Current	I <sub>R</sub>	---	---	10	μA	V <sub>R</sub> =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.  $\frac{1}{2}$  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 : \_\_\_\_\_

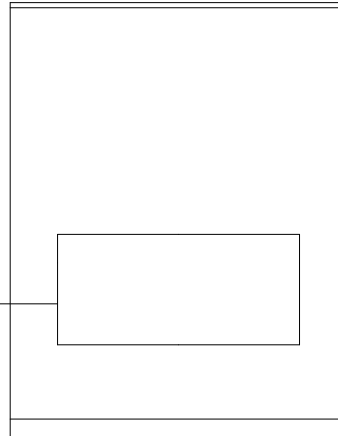
BIN : \_\_\_\_\_

DATE CODE : \_\_\_\_\_

REMARKS : \_\_\_\_\_



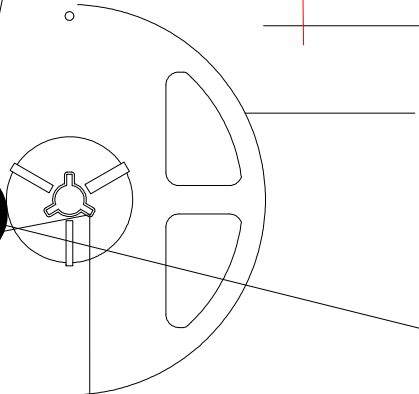

LOT NO. : \_\_\_\_\_



**Bag**

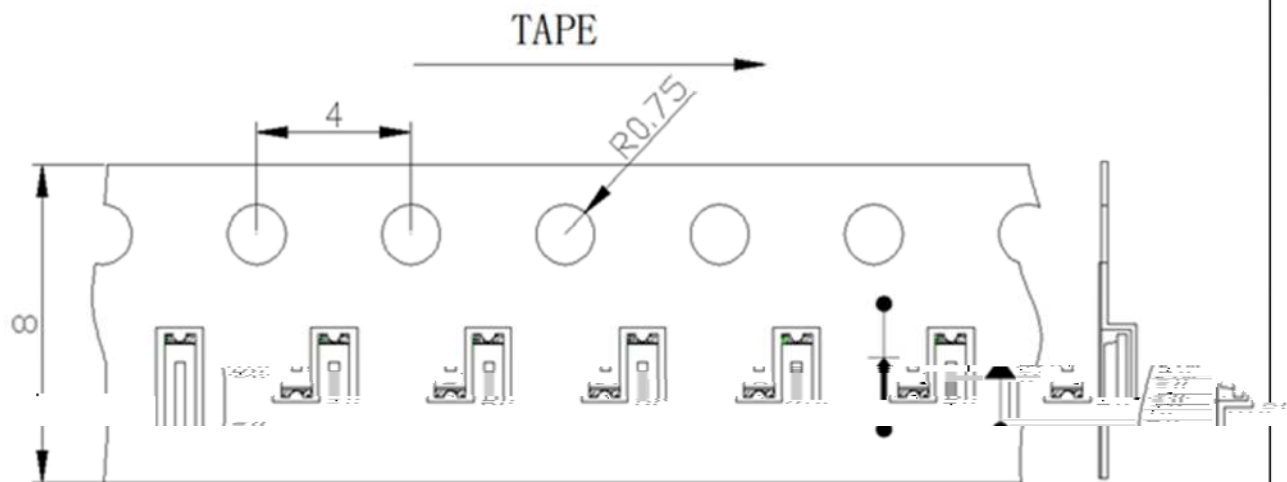
TYPE NO./	QUANTITY/
BIN./	DATE CODE/
REMARKS/	LOT NO./

### Reel Dimensions

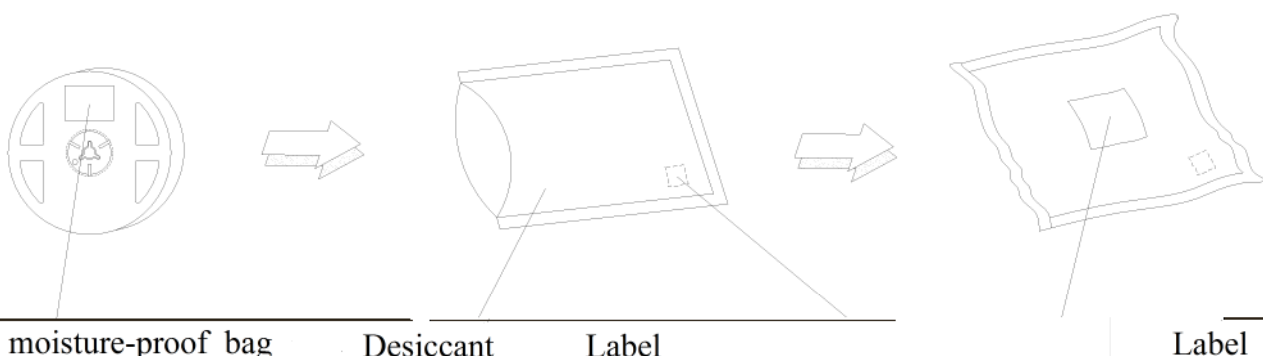


Note: Tolerance unless mentioned is  $\pm 0.2\text{mm}$ ; Unit = mm

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



### Moisture Resistant Packaging



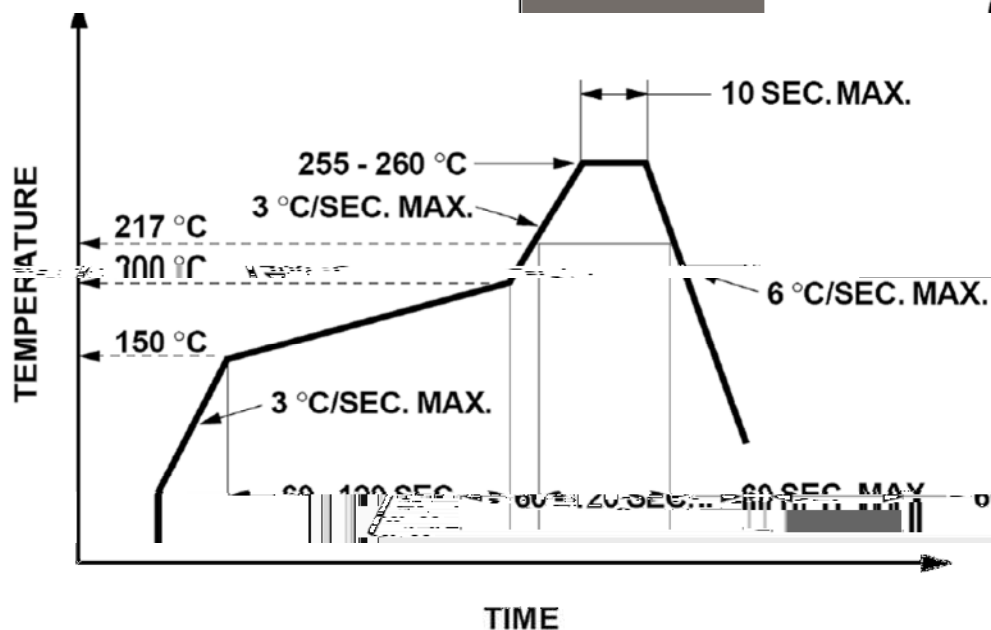
Aluminum moisture-proof bag

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.

