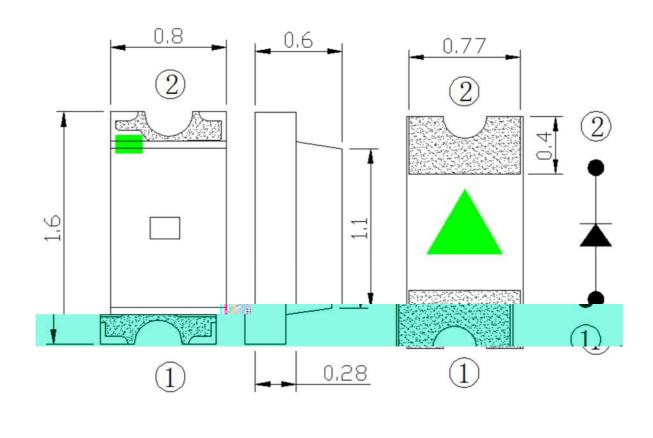
# LIGHT

# 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.

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LICH	LIGHT ELECTRONICS CO., LTD.		
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## **Electrical Optical Characteristics at Ta=25**

Parameter	Symbol	Min.	Тур.	Max.	Unit	Test Condition	
Luminous Intensity	lv	50		200	mcd	I <sub>F</sub> =20mA (Note 1)	
	1/2		120		Deg.	(Note 2)	
						<sub>F</sub> =20mA	
						<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%.

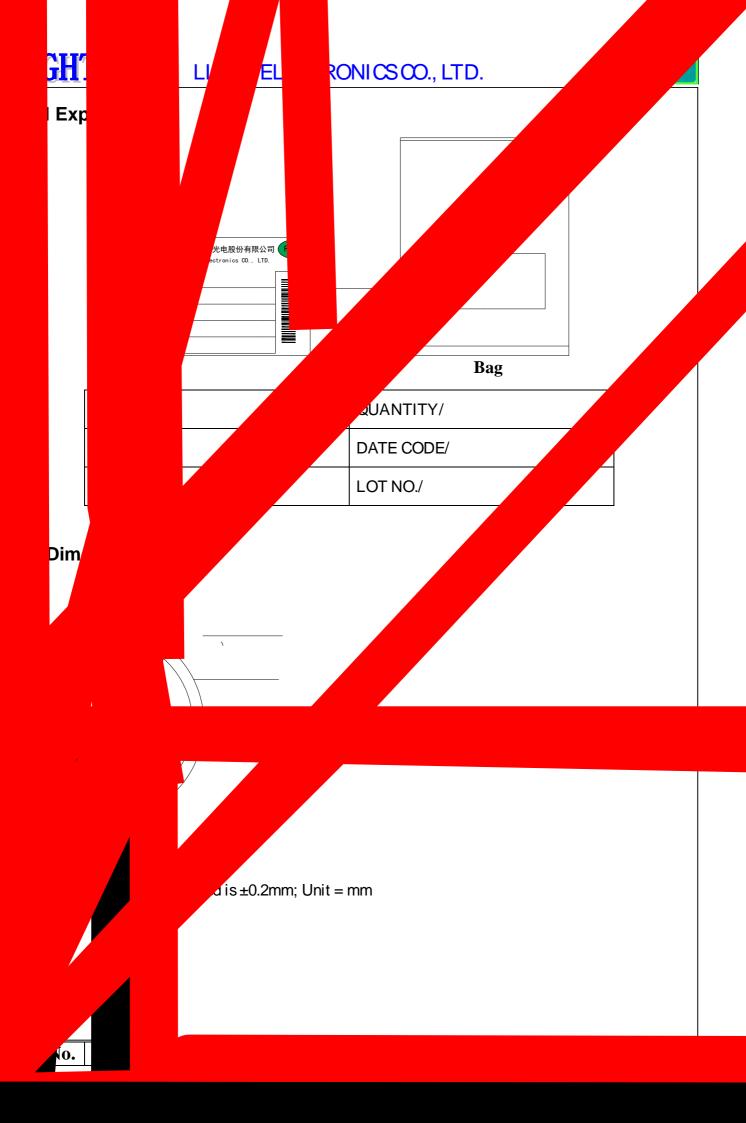
2. <sub>1/2</sub> is the off-axis angle at which the luminous intensity is half the axial luminous intensity.

3.

single wavelength which defines the color of the device. Tolerance of Dominant Wavelength: ±1.0nm.

4. Tolerance of Forward Voltage: ±0.1V.

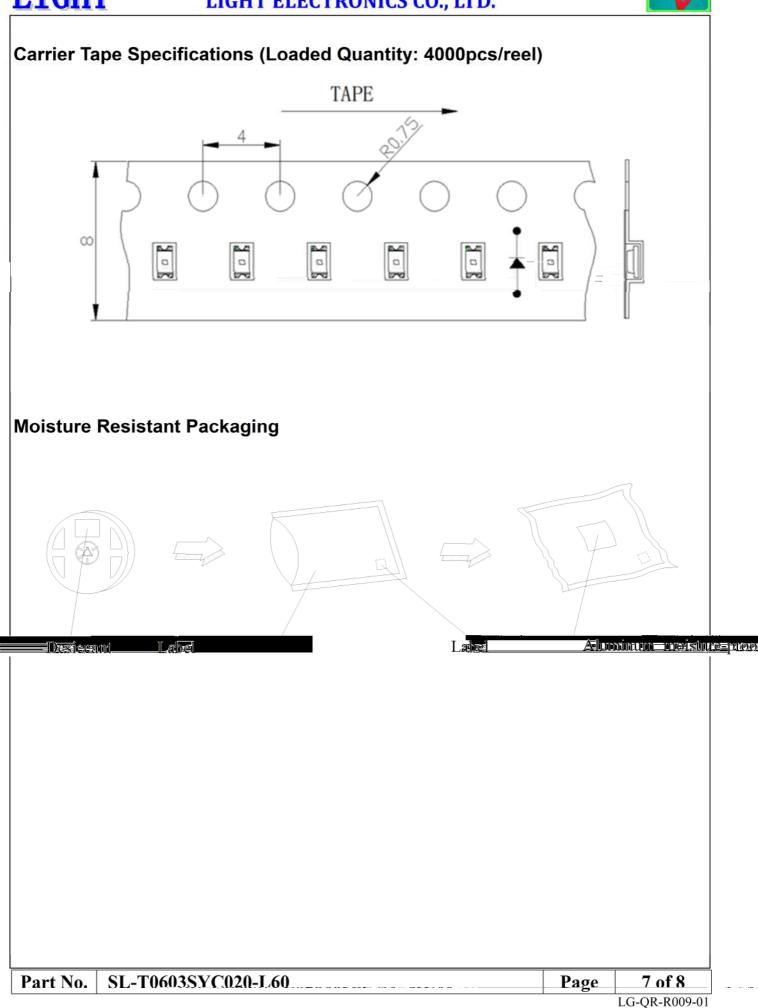
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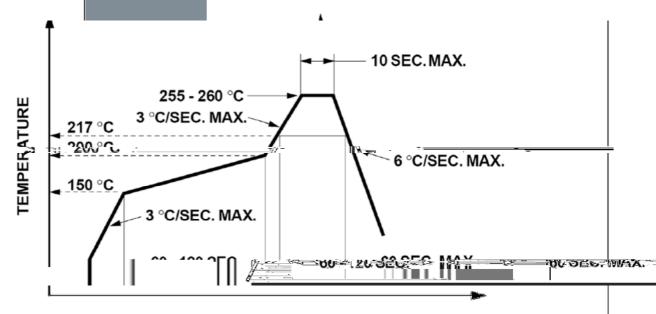






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## Suggest IR Reflow Condition For Lead Free



#### TIME

- 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  $300^{\circ}$ 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.

