



## 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-T0603BBC005-L60	Water Clear	Blue

### Notes:

1. All dimensions are in millimeters.
2. Tolerance is  $\pm 0.20$ mm unless otherwise noted
3. Specifications are subject to change without notice.



### Electrical Optical Characteristics at Ta=25

Parameter	Symbol	Min.	Typ.	Max.	Unit	Test Condition
Luminous Intensity	I <sub>v</sub>	40	---	70	mcd	I <sub>F</sub> =5mA (Note 1)
Viewing Angle	2 <sub>1/2</sub>	---	120	---	Deg.	(Note 2)
Peak Emission Wavelength	p	---	472	---	nm	I <sub>F</sub> =5mA
Dominant Wavelength	d	465	---	473	nm	I <sub>F</sub> =5mA (Note 3)
Spectral Line Half-Width		---	30	---	nm	I <sub>F</sub> =5mA
Forward Voltage	V <sub>F</sub>	2.6	---	3.2	V	I <sub>F</sub> =5mA
Reverse Current	I <sub>R</sub>	---	---	10	μA	V <sub>R</sub> =5V

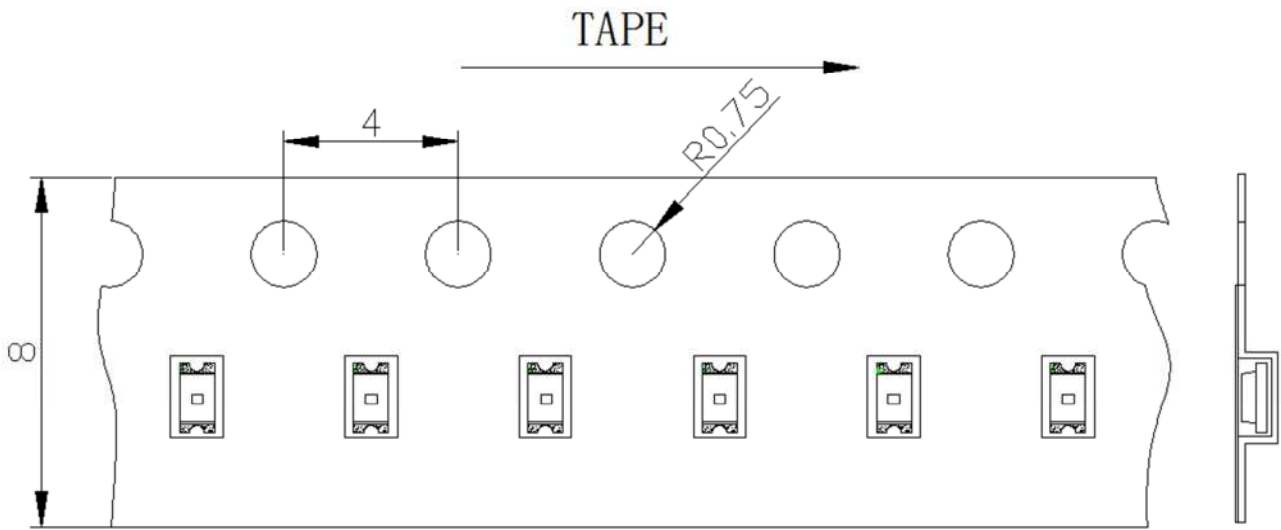
**Note:**

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. The dominant wavelength, d is derived from the CIE chromaticity diagram and represents the single wavelength which defines the color of the device. Tolerance of Dominant Wavelength: ±1.0nm.
4. Tolerance of Forward Voltage: ±0.1V.

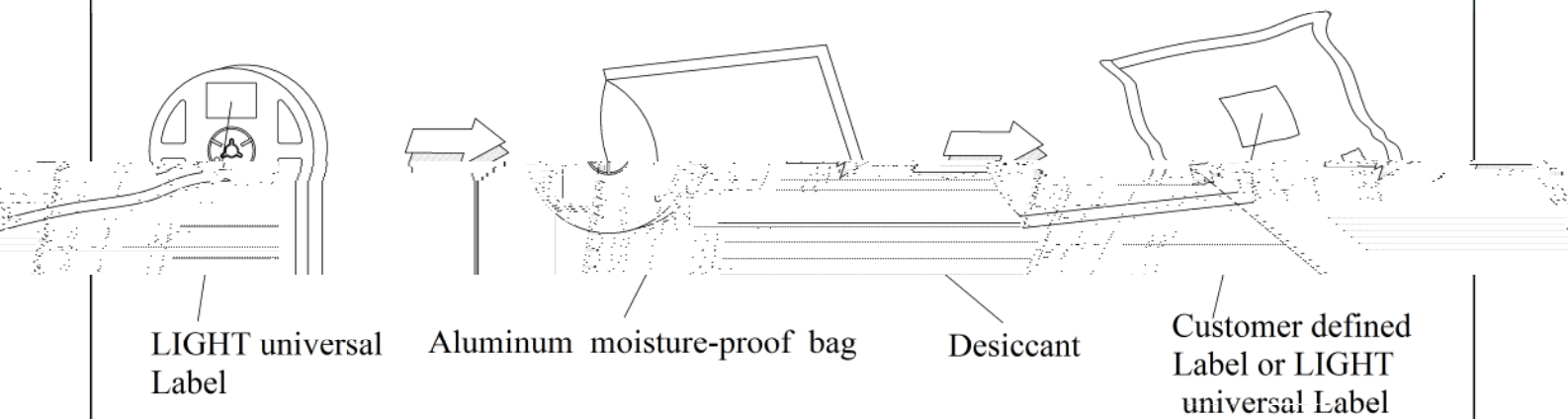




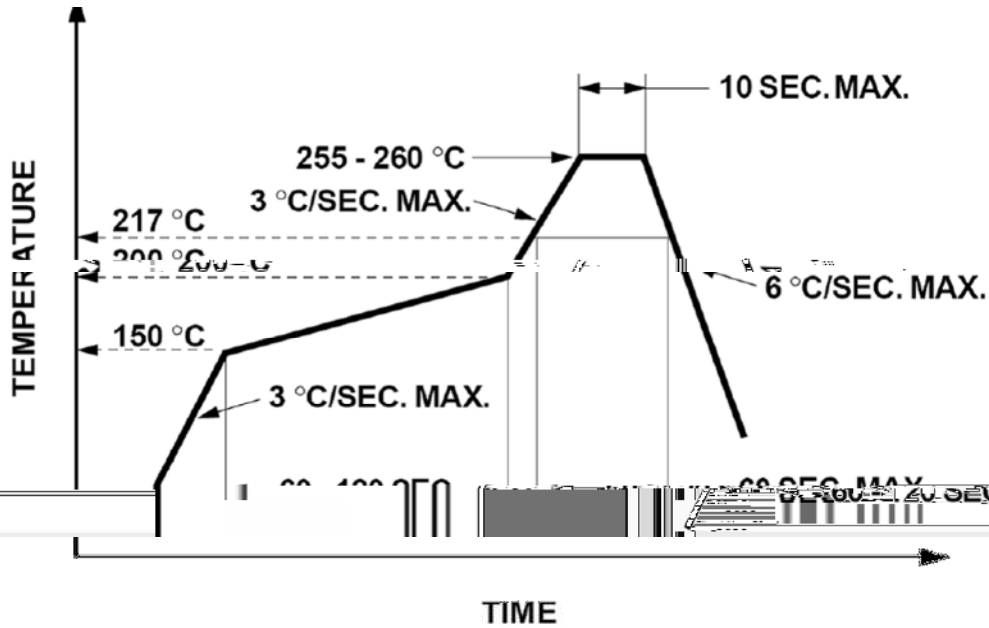
## Carrier Tape Specifications (Loaded Quantity: 1000pcs/roll)



## Moisture Resistant Packaging



## 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.

