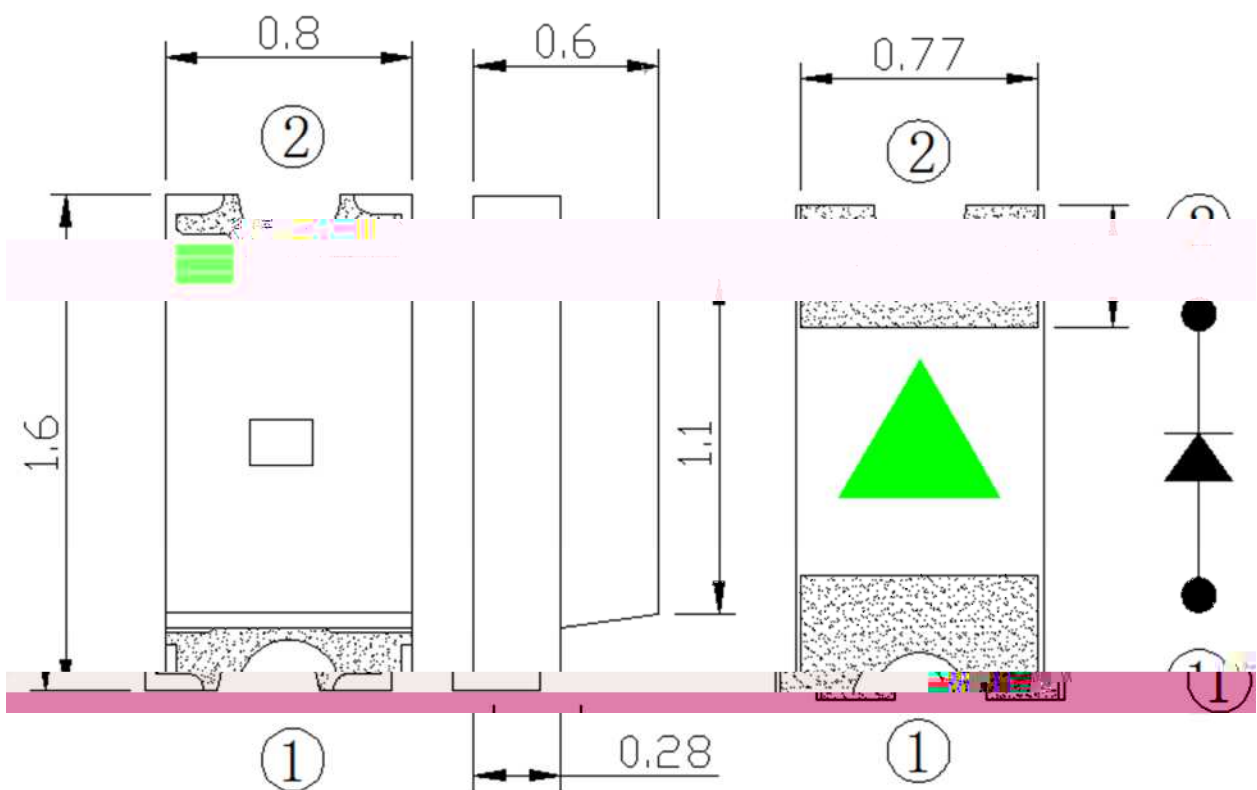




Pb free product—RoHS compliant  
 Low power consumption, High efficiency  
 Reliable and rugged  
 Long life – solid state reliability  
 Viewing Angle: 120°



Part NO.	Lens Color	Source Color
SL-T0603BBC005-L60	Water Clear	Blue

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



Parameter	Symbol	Min.	Typ.	Max.	Unit	Test Condition
Luminous Intensity	$I_v$	40	---	70	mcd	$I_F=5\text{mA}$ (Note 1)
Viewing Angle	$2_{1/2}$	---	120	---	Deg.	(Note 2)
Peak Emission Wavelength	$p$	---	472	---	nm	$I_F=5\text{mA}$
Dominant Wavelength	$d$	465	---	473	nm	$I_F=5\text{mA}$ (Note 3)
Spectral Line Half-Width		---	30	---	nm	$I_F=5\text{mA}$
Forward Voltage	$V_F$	2.6	---	3.2	V	$I_F=5\text{mA}$
Reverse Current	$I_R$	---	---	10	$\mu\text{A}$	$V_R=5\text{V}$

1. Luminous intensity is measured with a light sensor and filter combination that approximates the CIE eye-response curve. Tolerance of Luminous Intensity:  $\pm 15\%$ .
2.  $_{1/2}$  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:  $\pm 1.0\text{nm}$ .
4. Tolerance of Forward Voltage:  $\pm 0.1\text{V}$ .

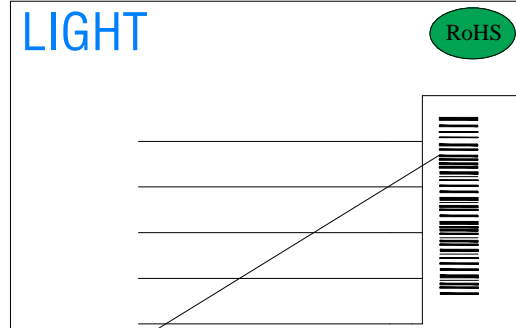


### Label Explanation

LIGHT Universal Label  
(Reel Label)

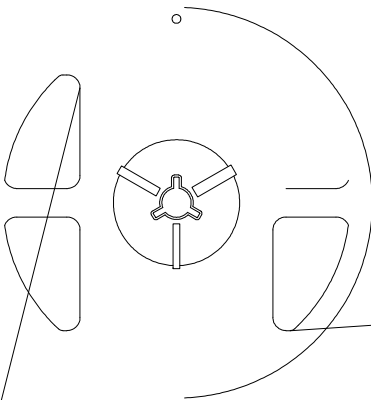


Customer Defined Label  
(Aluminum Moisture Proof Bag Label)



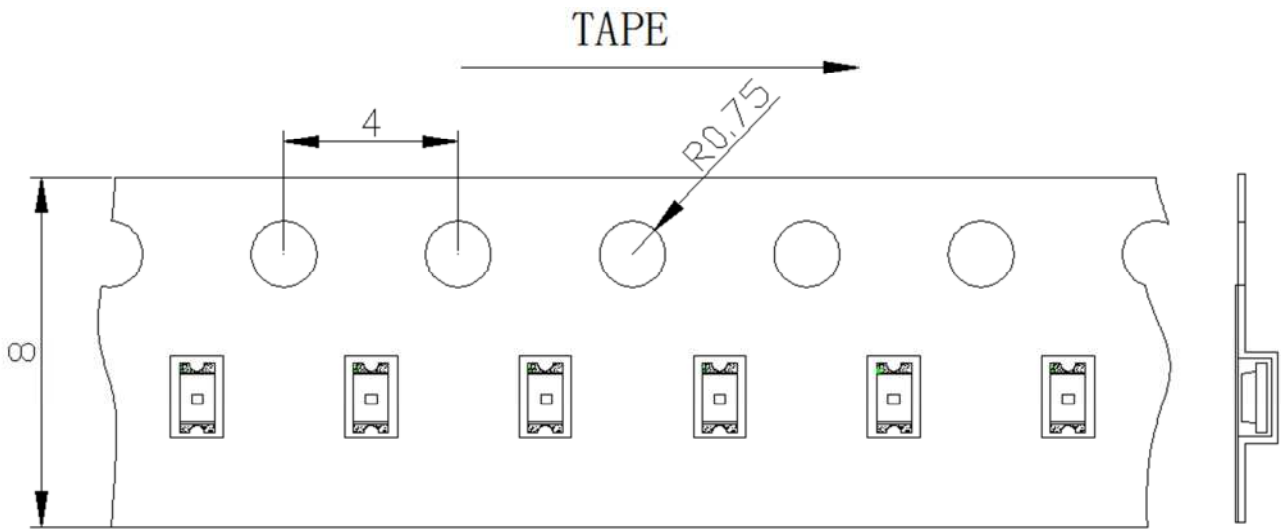
MODEL NAME/	QUANTITY/
BIN./	PACKING DATE/
CUSTOMER P/N/	LOT NO./
REMARKS/	/

### Reel Dimensions

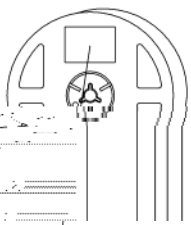


Tolerance unless mentioned is  $\pm 0.2\text{mm}$ ; Unit = mm

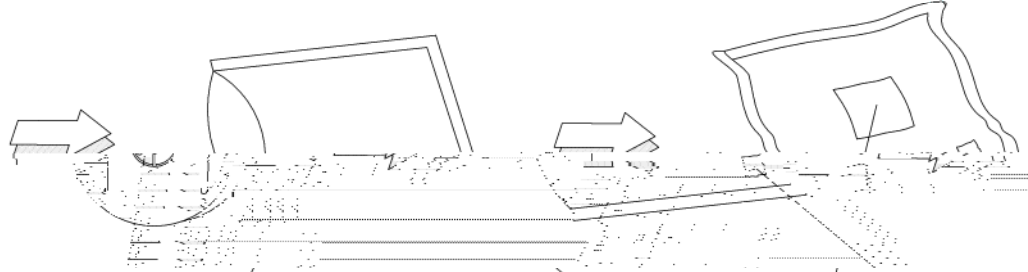
**Carrier Tape Specifications (Loaded Quantity: 4000pcs/roll)**



**Moisture Resistant Packaging**



LIGHT universal Label

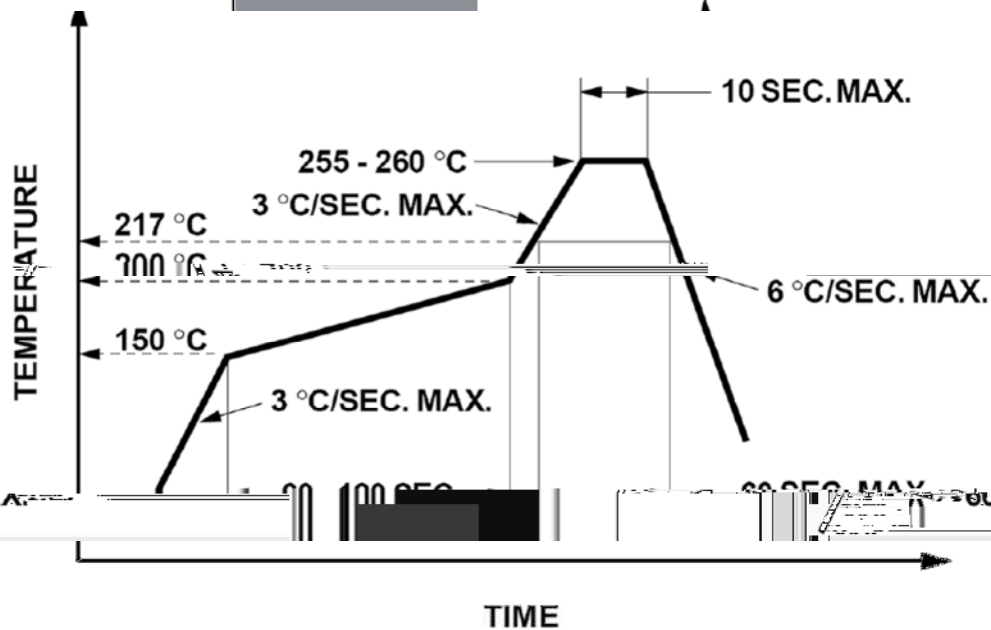


Aluminum moisture-proof bag

Desiccant

Customer defined Label or LIGHT universal 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.

