



## DATA SHEET

SPEC. NO. : SZ23041002  
DATE : 2023/04/10  
REV. : A/0

Approved By:

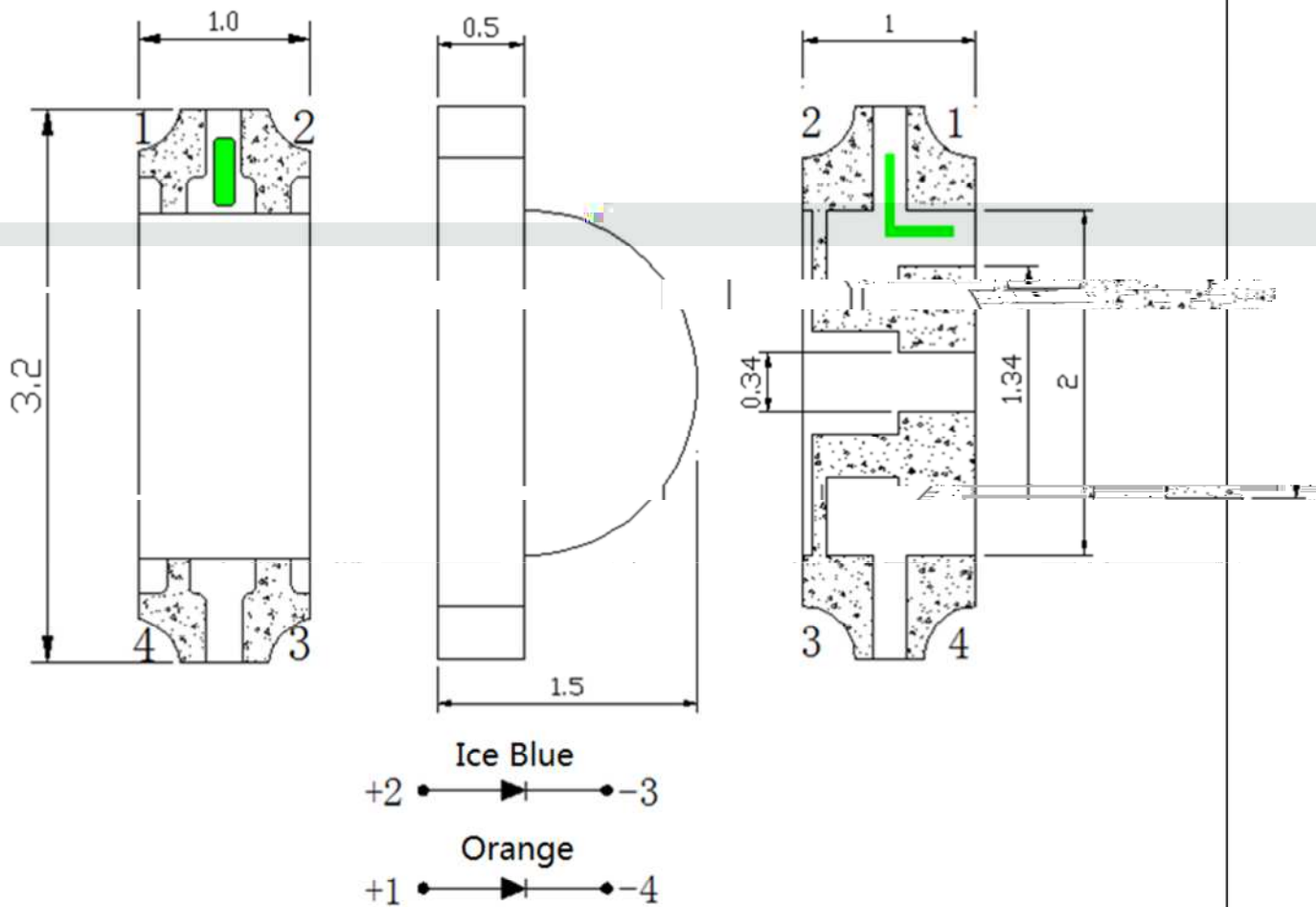
Checked By:

Prepared By:

### 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-T3210IBOC020-L150	Water Clear	Ice Blue/Orange

#### Notes:

1. All dimensions are in millimeters.
2. Tolerance is  $\pm 0.10\text{mm}$  unless otherwise noted.



Parameter	Symbol	Color	Min.	Typ.	Max.	Unit	Test Condition
Luminous Intensity	I <sub>v</sub>	Ice Blue	400	---	600	mcd	I <sub>F</sub> =20mA
		Orange	70	---	200	mcd	
Viewing Angle	2 <sub>1/2</sub>	---	---	120	---	Deg.	(Note 2)
Dominant Wavelength	d	Ice Blue	478	---	485	nm	I <sub>F</sub> =20mA
		Orange	600	---	610	nm	
Forward Voltage	V <sub>F</sub>	Ice Blue	2.6	---	3.3	V	I <sub>F</sub> =20mA
		Orange	1.8	---	2.4	V	
Reverse Current	I <sub>R</sub>	---	---	---	10	μA	V <sub>R</sub> =5V

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.

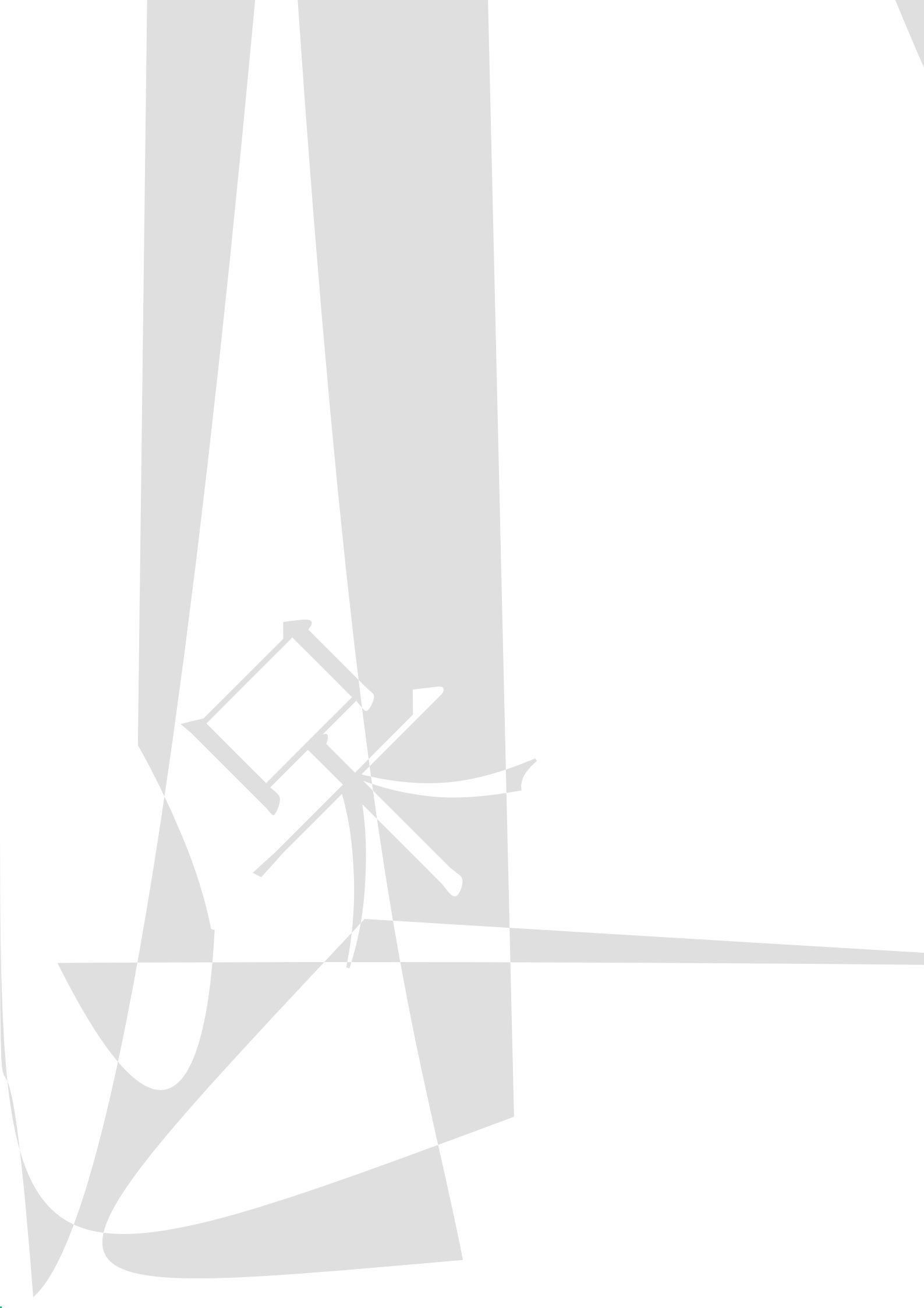


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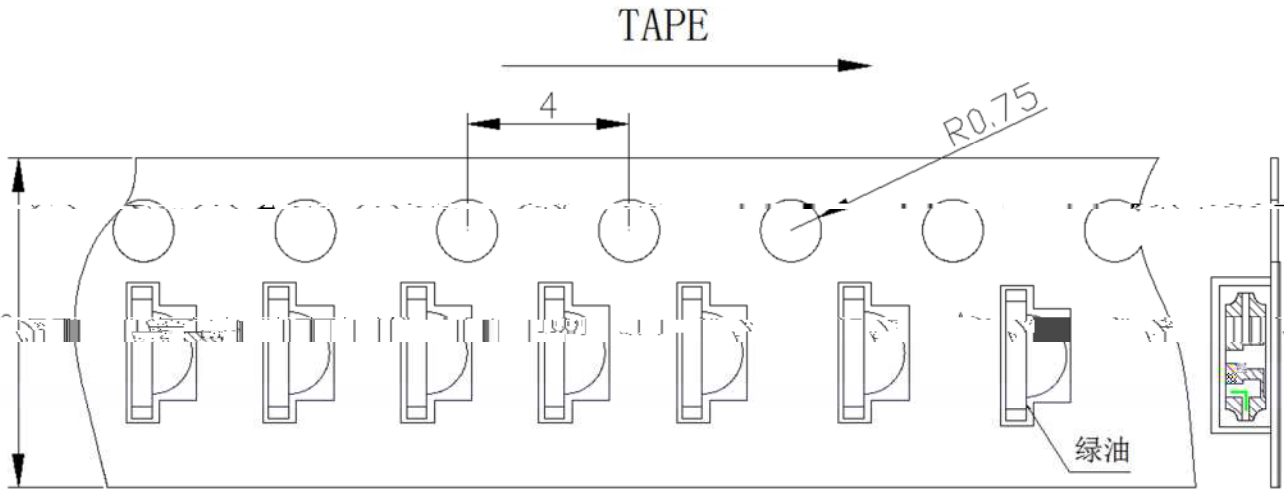


90°  
75°  
60°  
45°  
30°  
15°  
0°  
15°  
30

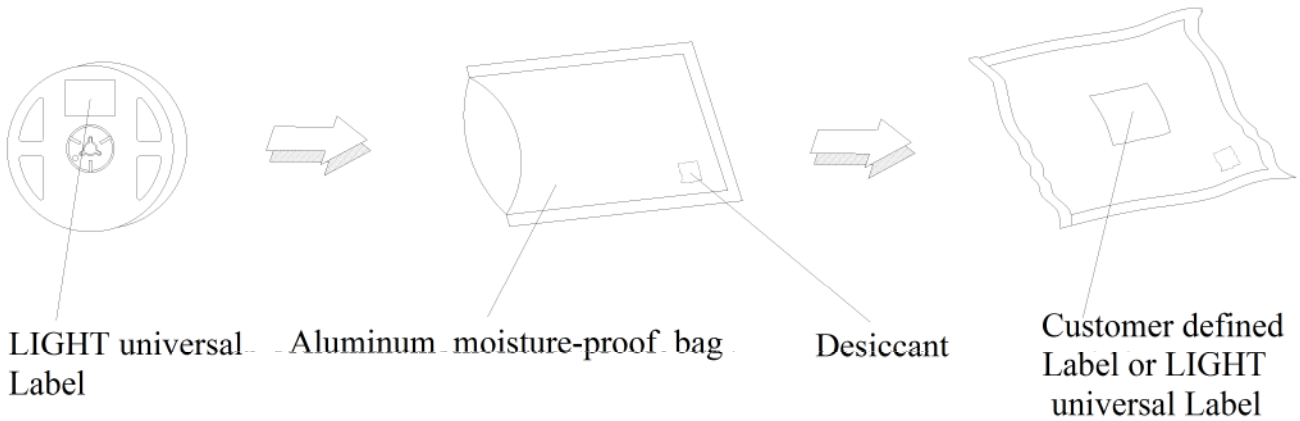
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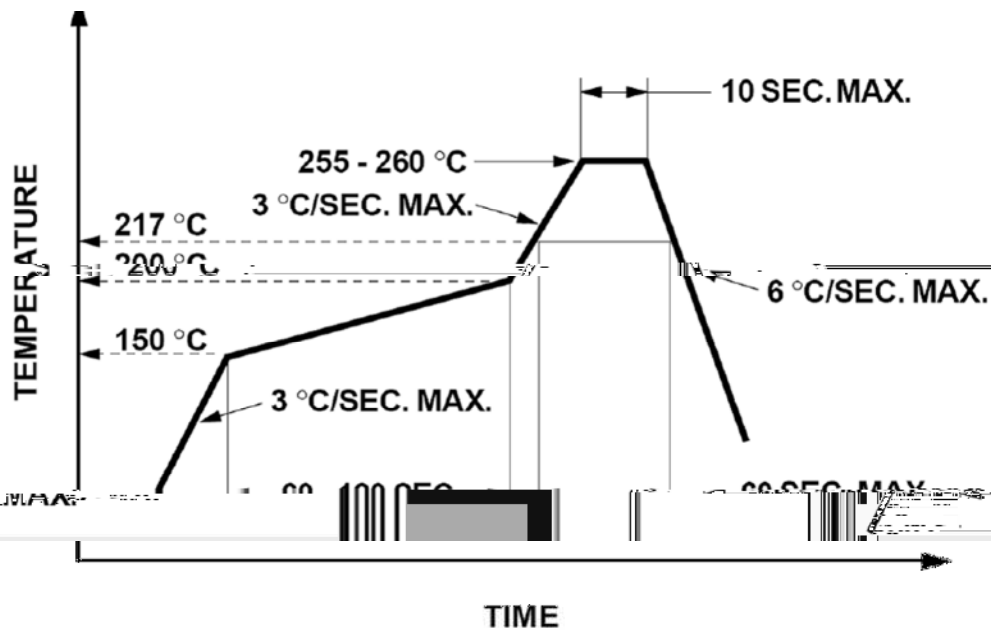
**Carrier Tape Specifications (Loaded Quantity: 3000pcs/reel)**



**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.

