

DATA SHEET

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

Approved By:

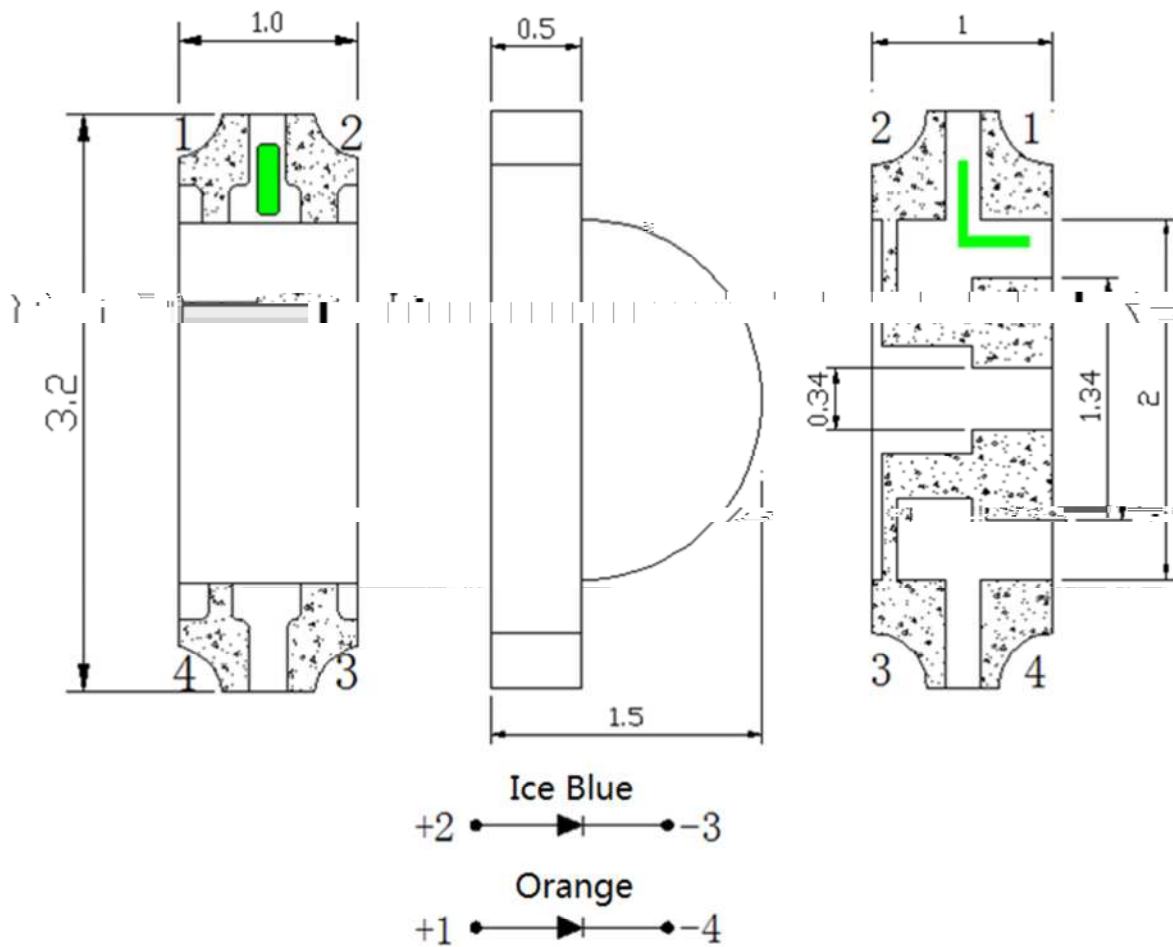
Checked By:

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 _v	Ice Blue	400	---	600	mcd	I _F =20mA
		Orange	70	---	200	mcd	
	$\theta_{1/2}$	---	---	120	---	Deg.	(Note 2)
		Ice Blue	478	---	485	nm	I _F =20mA
		Orange	600	---	610	nm	
Forward Voltage	V _F	Ice Blue	2.6	---	3.3	V	I _F =20mA
		Orange	1.8	---	2.4	V	
Reverse Current	I _R	---	---	---	10	μA	V _R =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. $\theta_{1/2}$ 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.



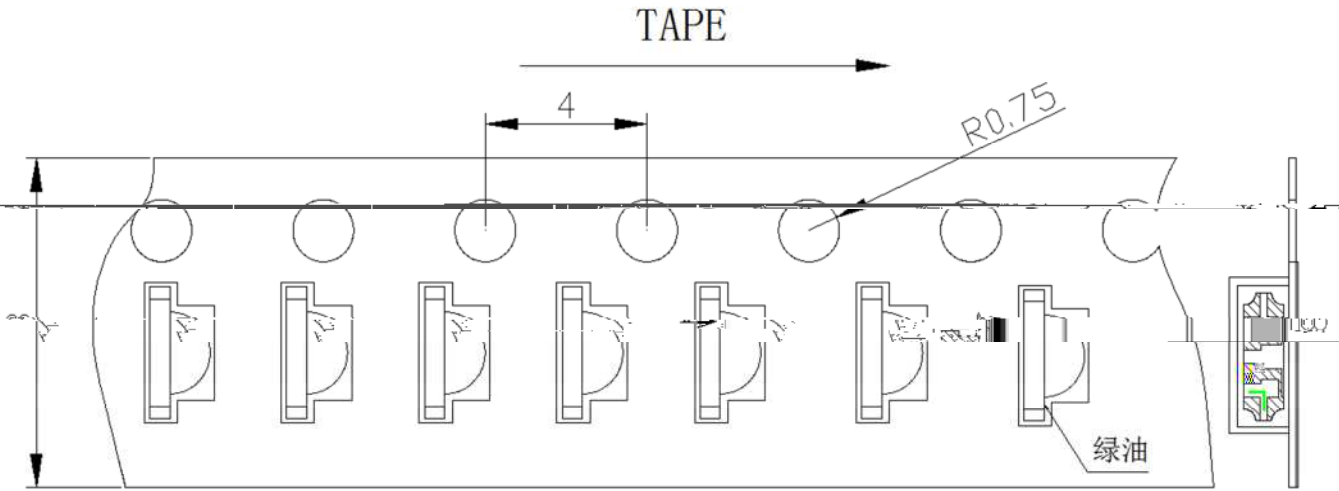
-90°

L

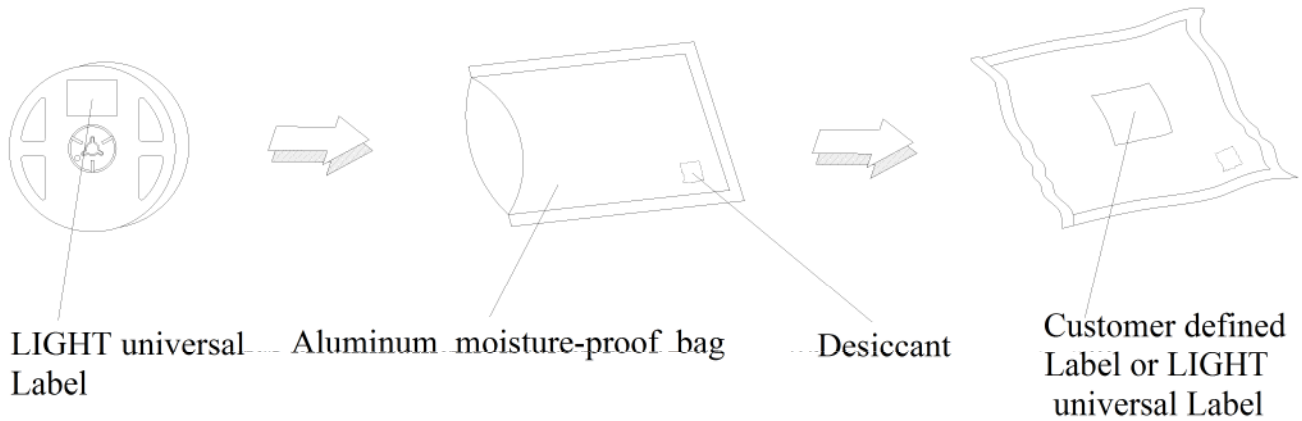


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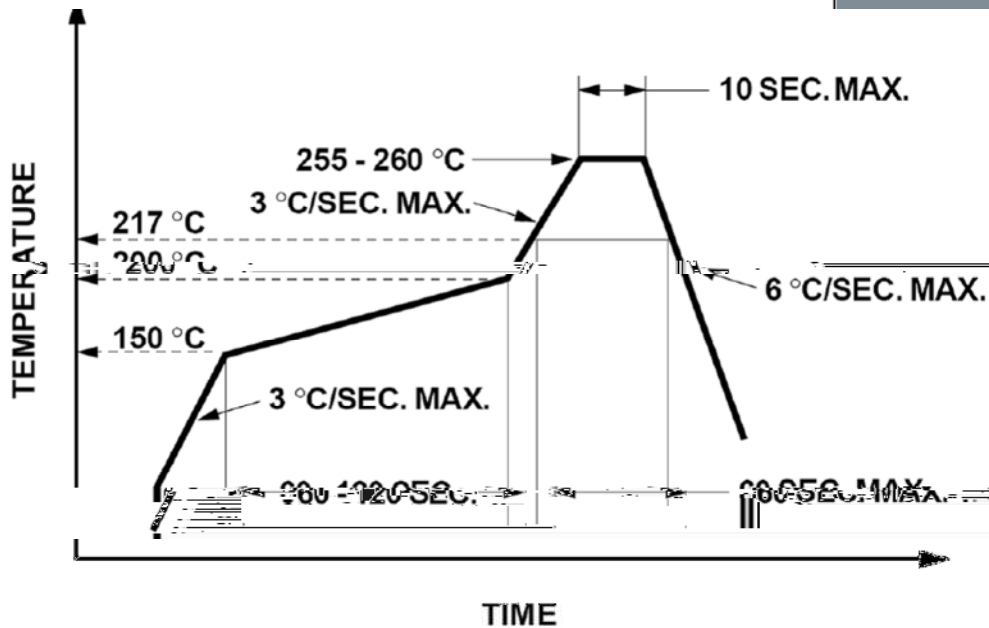
Carrier Tape Specifications (Loaded Quantity: 3000pcs/reel)



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.

