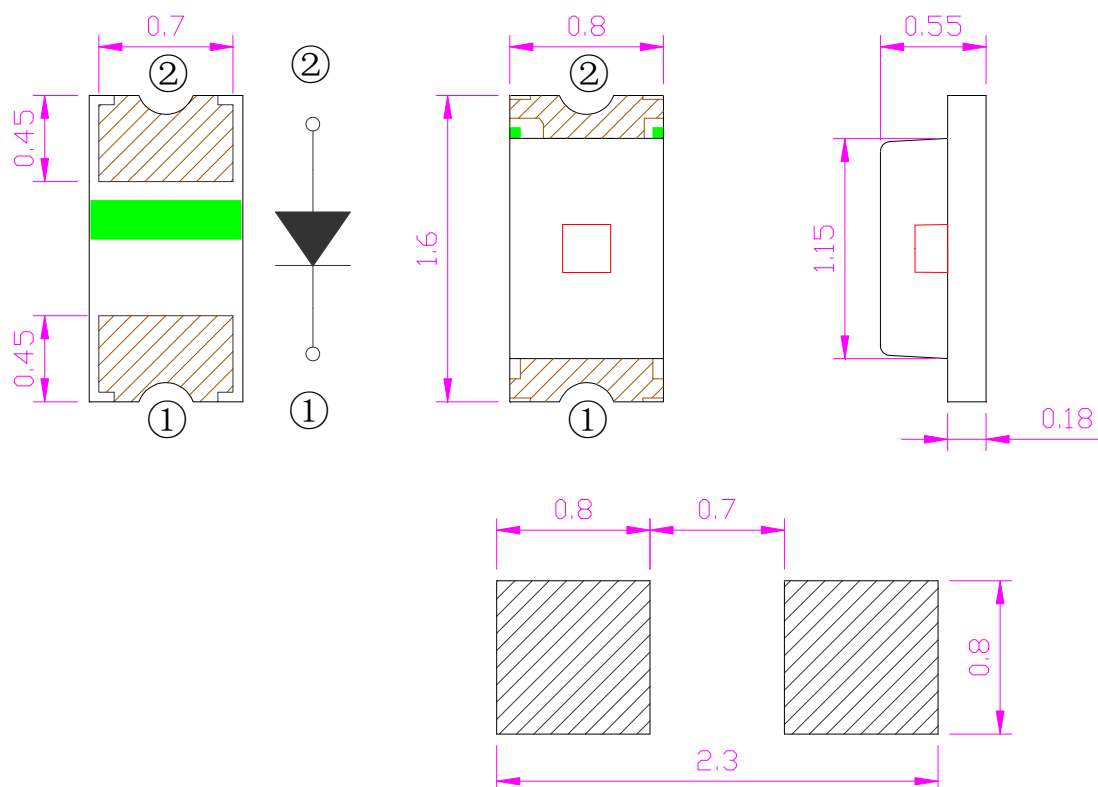


Features

- Pb free product—RoHS compliant
- Low power consumption, High efficiency
- Reliable and rugged
- Long life – solid state reliability
- Viewing Angle: 140°

Package Dimension



Recommended Soldering patterns

Part NO.	Lens Color	Source Color
SL-T0603SRC020-L55	Water Clear	Red

Notes:

1. All dimensions are in millimeters.
2. Tolerance is ± 0.10 mm unless otherwise noted
3. Specifications are subject to change without notice.

Electrical Optical Characteristics at Ta=25°C

Parameter	Symbol	Min.	Typ.	Max.	Unit	Test Condition	
Luminous Intensity	I _v	S10	71	---	112	mcd	I _F =20mA (Note 1)
		S11	112	---	145		
		S12	145	---	185		
Viewing Angle	2 _{1/2}	---	140	---	Deg.	(Note 2)	
Peak Emission Wavelength	p	---	635	---	nm	I _F =20mA	
Dominant Wavelength	d	R1	619	---	624	nm	I _F =20mA (Note 3)
		R2	624	---	629		
Spectral Line Half-Width		---	15	---	nm	I _F =20mA	
Forward Voltage	V _F	1.8	---	2.4	V	I _F =20mA	
Reverse Current	I _R	---	---	10	μA	V _R =5V	



Note:

- Luminous intensity is measured with a light sensor and filter combination that approximates the CIE eye-response curve. Tolerance of Luminous Intensity: ±15%.
- _{1/2} is the off-axis angle at which the luminous intensity is half the axial luminous intensity.
- 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.
- Tolerance of Forward Voltage: ±0.1V.





Label Explanation

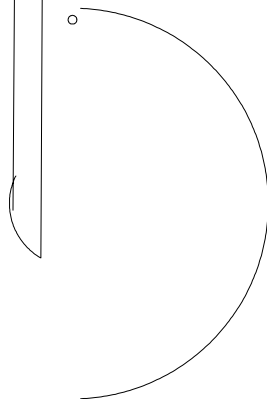
LIGHT Universal Label
(Reel Label)

LIGHT		
Light Electronics CO., LTD.		
MODEL NAME: _____		LOT NO. : ON LOT
QUANTITY: _____		
BIN _____		
PACKING DATE: _____		
REMARKS: _____		

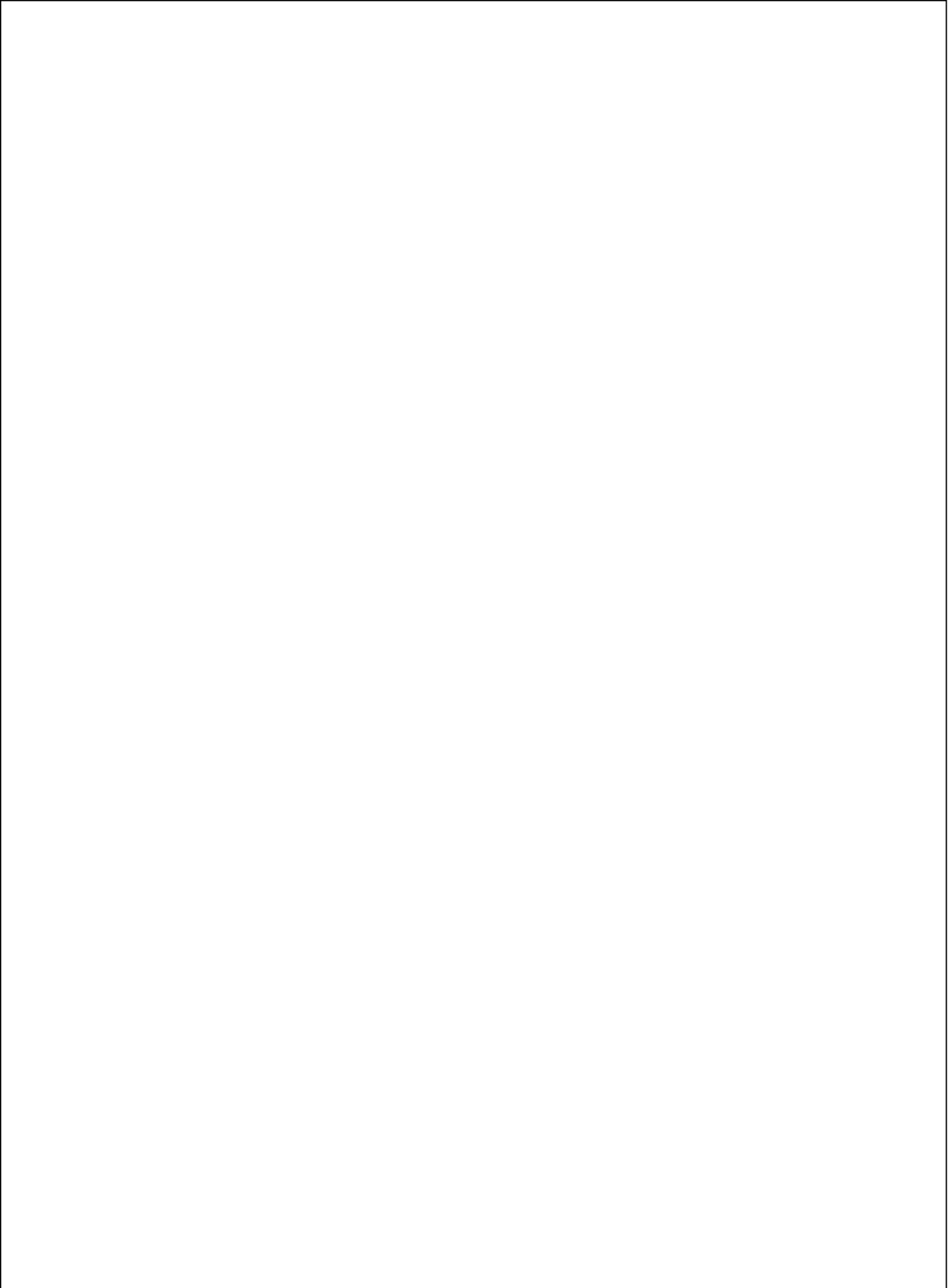
Customer Defined Label
(Aluminum Moisture Proof Bag Label)

LIGHT		
Light Electronics CO., LTD.		
MODEL NAME: _____		LOT NO. : ON LOT
QUANTITY: _____		
BIN _____		
PACKING DATE: _____		
CUSTOMER P/N: _____		

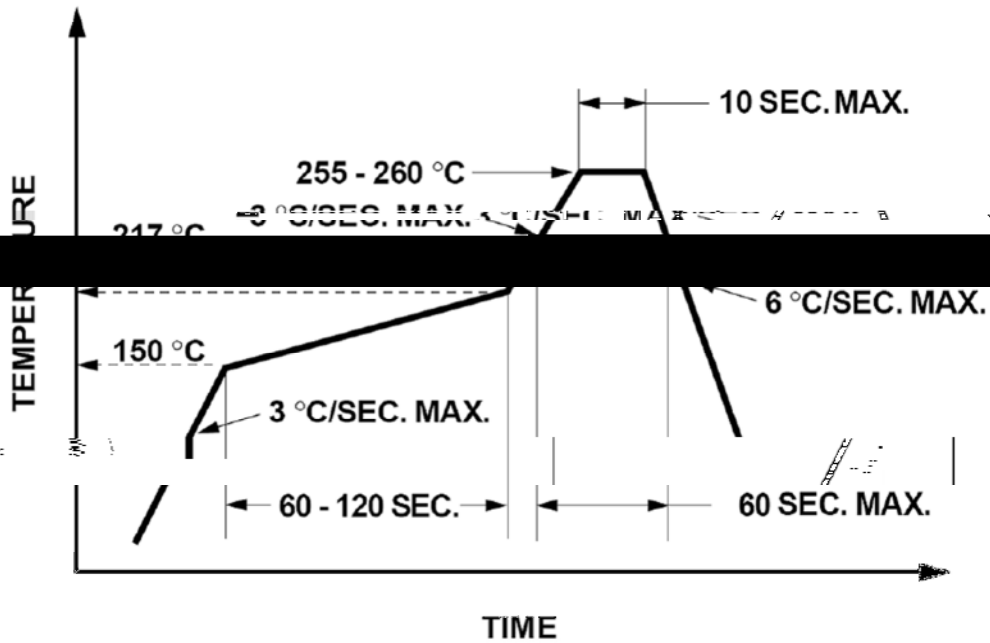
Reel Dimensions



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



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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.

