

## DATA SHEET

SPEC. NO. : SZ18051005  
DATE : 2018/05/10  
REV. : A/0

Approved By:

Checked By:

Prepared By:



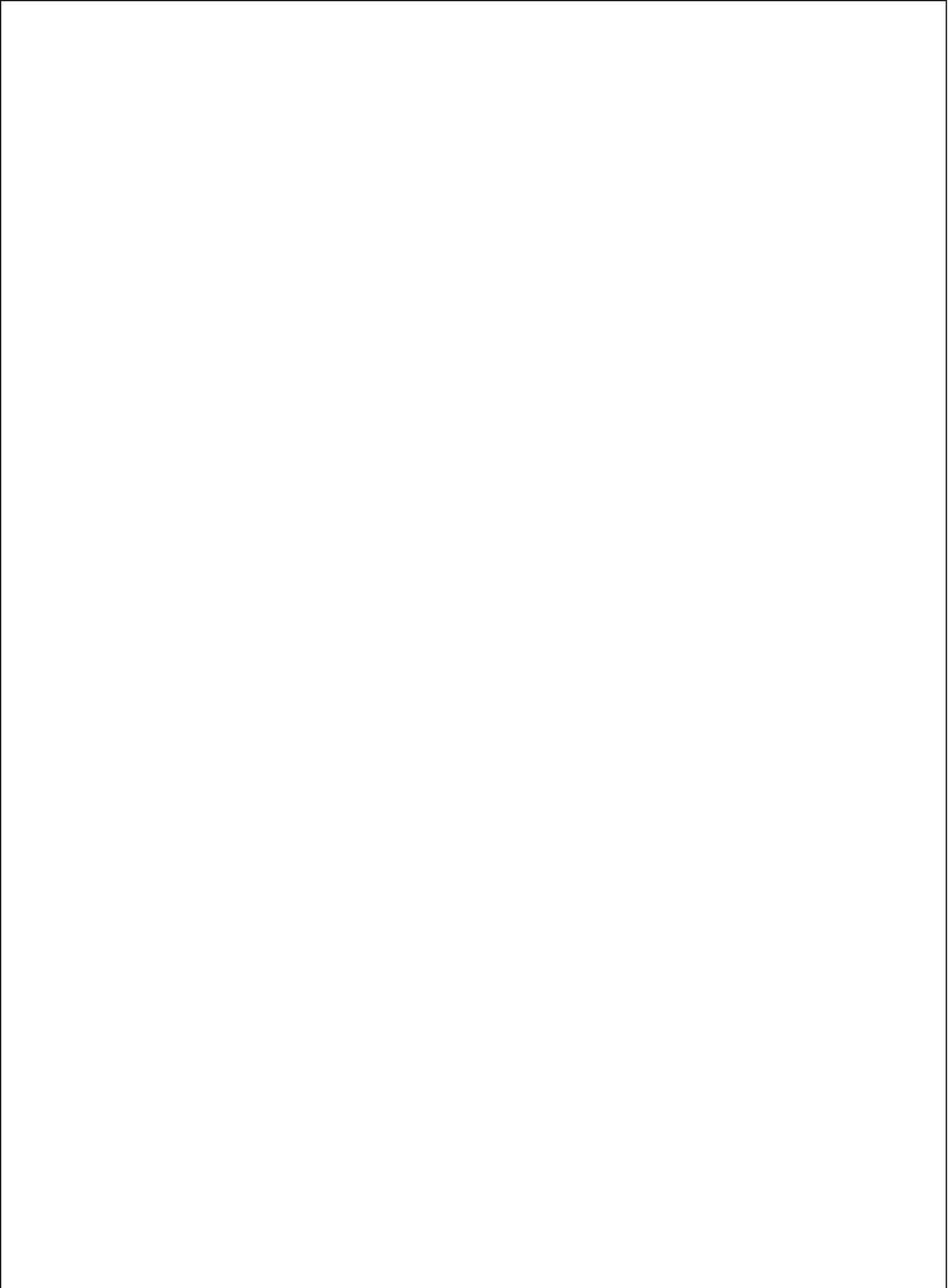


Parameter	Symbol	Min.	Typ.	Max.	Unit	Test Condition
Luminous Intensity	$I_v$	70	---	150	mcd	$I_F=20\text{mA}$ (Note 1)
Viewing Angle	$2_{1/2}$	---	120	---	Deg.	(Note 2)
Peak Emission Wavelength	$p$	---	610	---	nm	$I_F=20\text{mA}$
Dominant Wavelength	$d$	600	---	610	nm	$I_F=20\text{mA}$ (Note 3)
Spectral Line Half-Width		---	15	---	nm	$I_F=20\text{mA}$
Forward Voltage	$V_F$	1.8	---	2.4	V	$I_F=20\text{mA}$
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:  $\pm 0.1\text{V}$ .

LI

LIGHT ELECTRONICS CO., LTD.

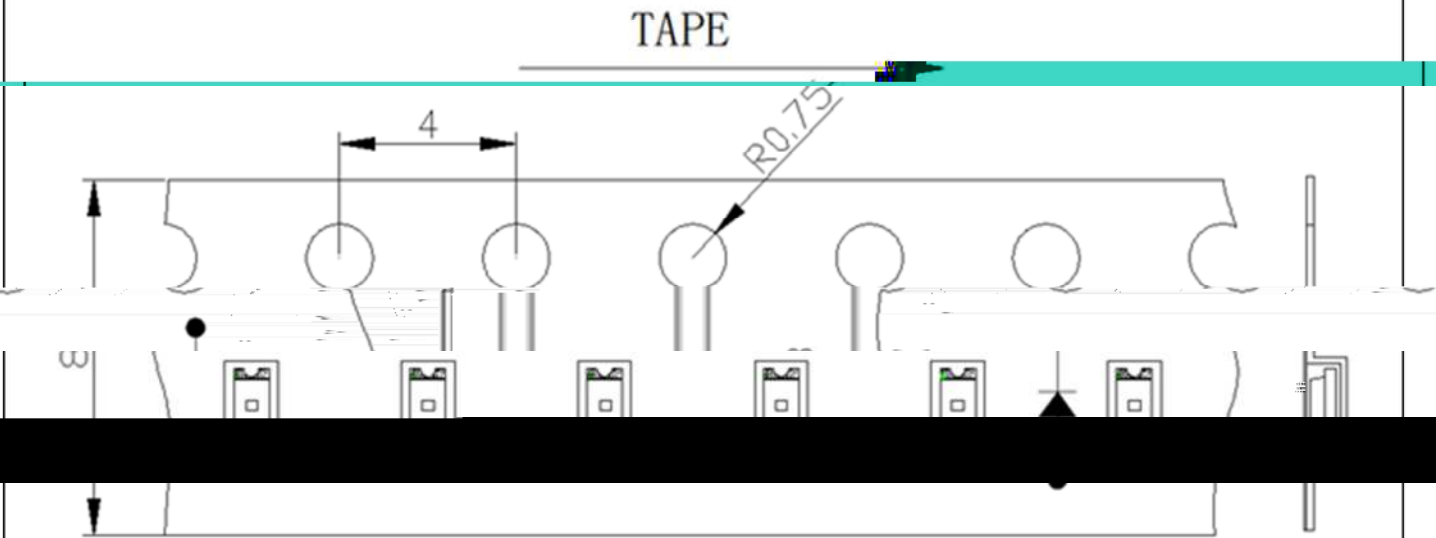


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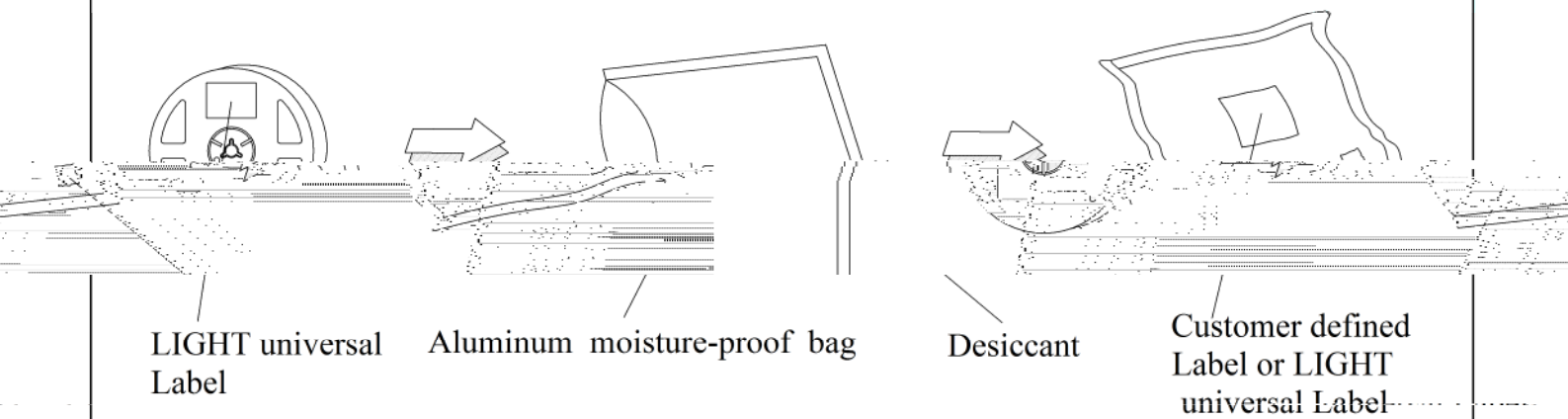
LIGHT ELECTRONICS CO., LTD.



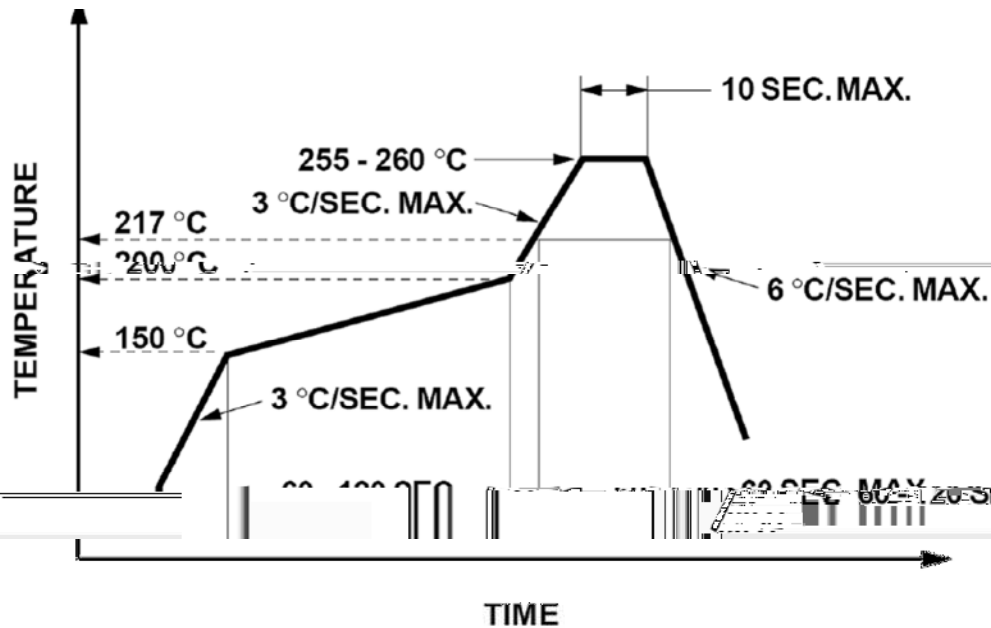
## Carrier Tape Specifications (Loaded Quantity: 4000pcs/reel)



## 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.

