

DATA SHEET

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

Approved By:

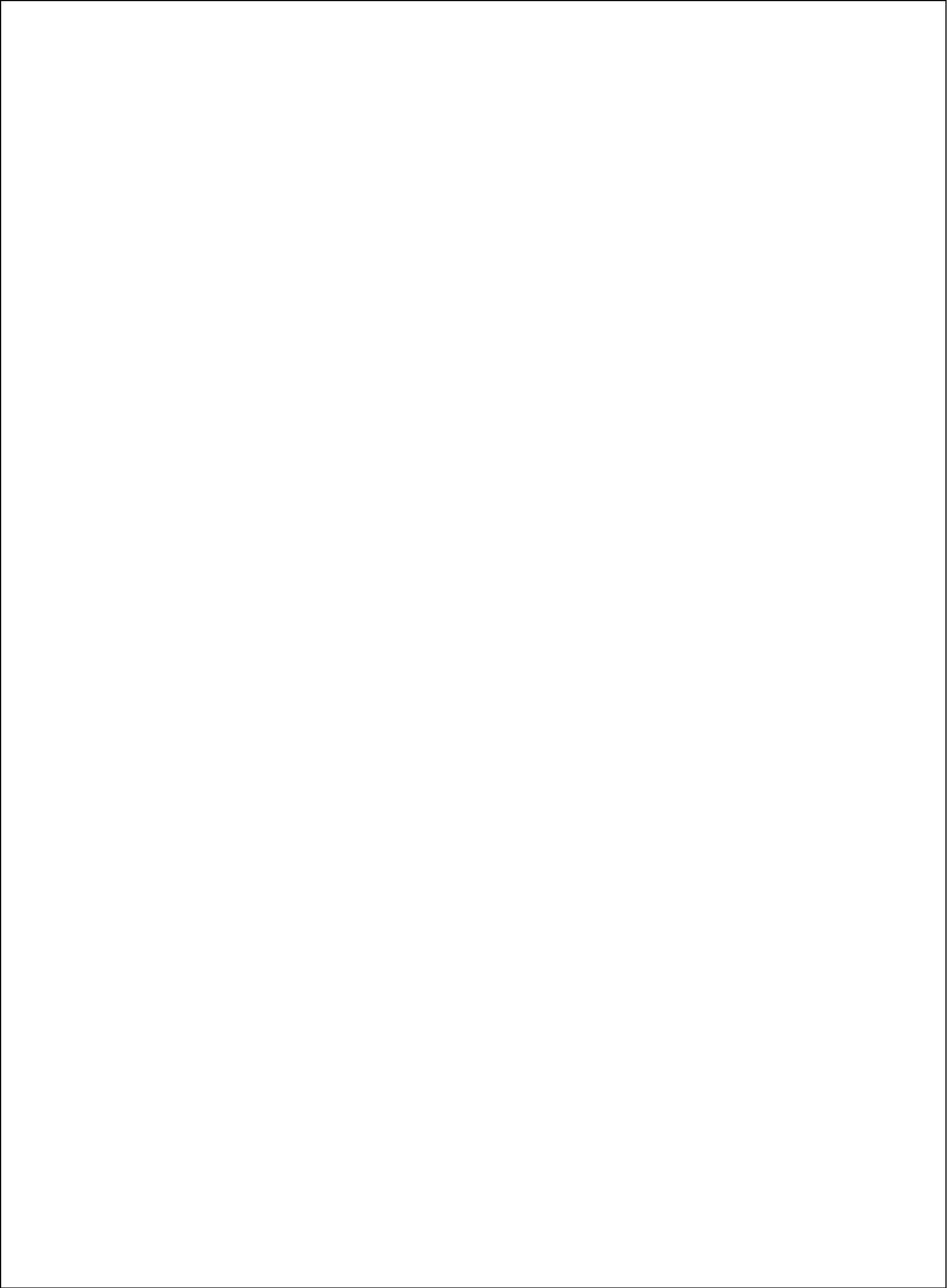
Checked By:

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	$2\theta_{1/2}$	---	120	---	Deg.	(Note 2)
Peak Emission Wavelength	λ_p	---	610	---	nm	$I_F=20\text{mA}$
Dominant Wavelength	λ_d	600	---	610	nm	$I_F=20\text{mA}$ (Note 3)
Spectral Line Half-Width	λ	---	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	μA	$V_R=5\text{V}$

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. $\theta_{1/2}$ is the off-axis angle at which the luminous intensity is half the axial luminous intensity.
3. The dominant wavelength, λ_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: $\pm 0.1\text{V}$.

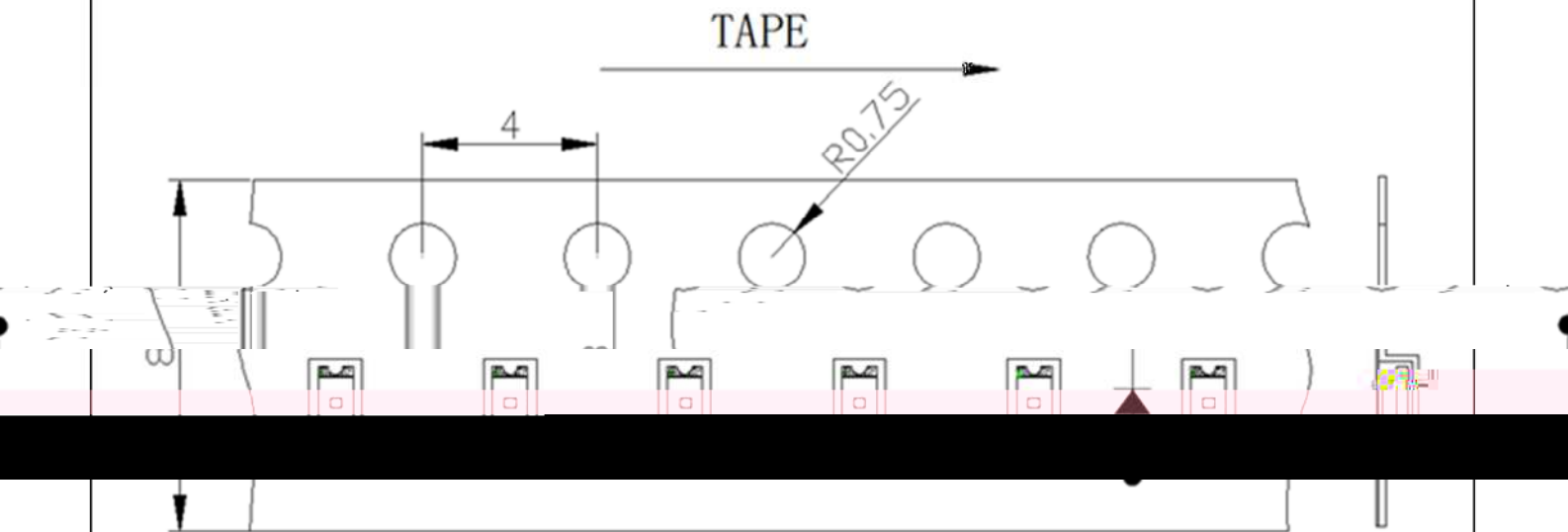


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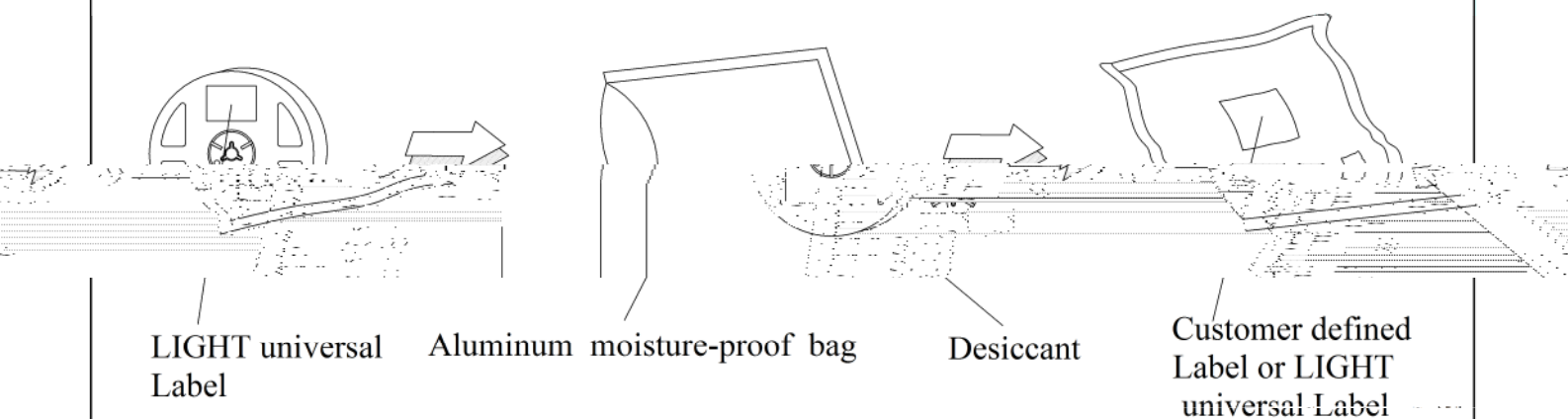
LIGHT ELECTRONICS CO., LTD.



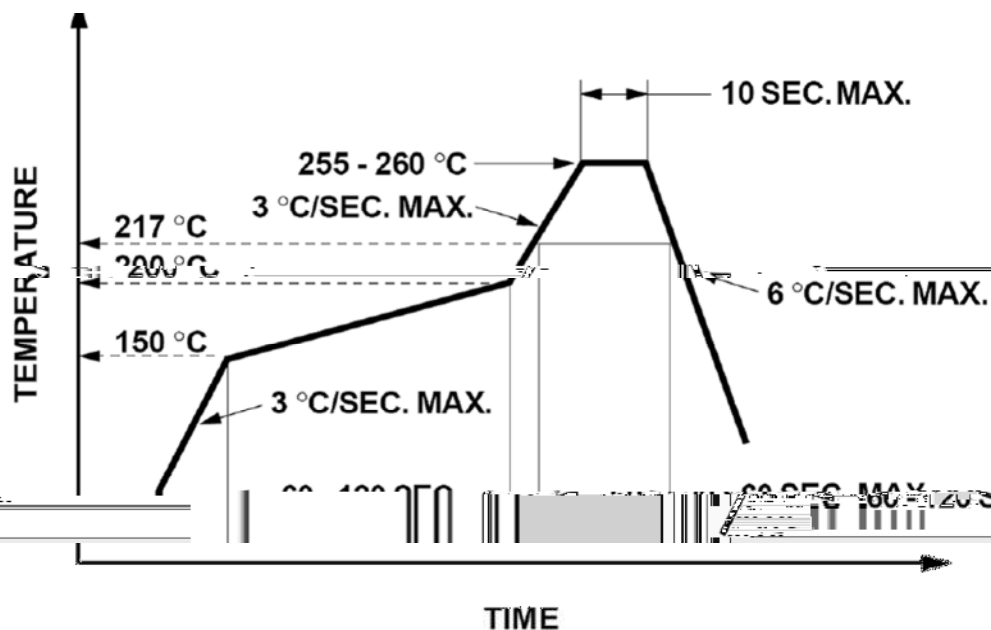
Carrier Tape Specifications (Loaded Quantity: 4000pcs/reel)



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.

