LIGHT

SL-T0603UOC020-L60-A

DATA SHEET

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

Approved By: Checked By: Prepared By:

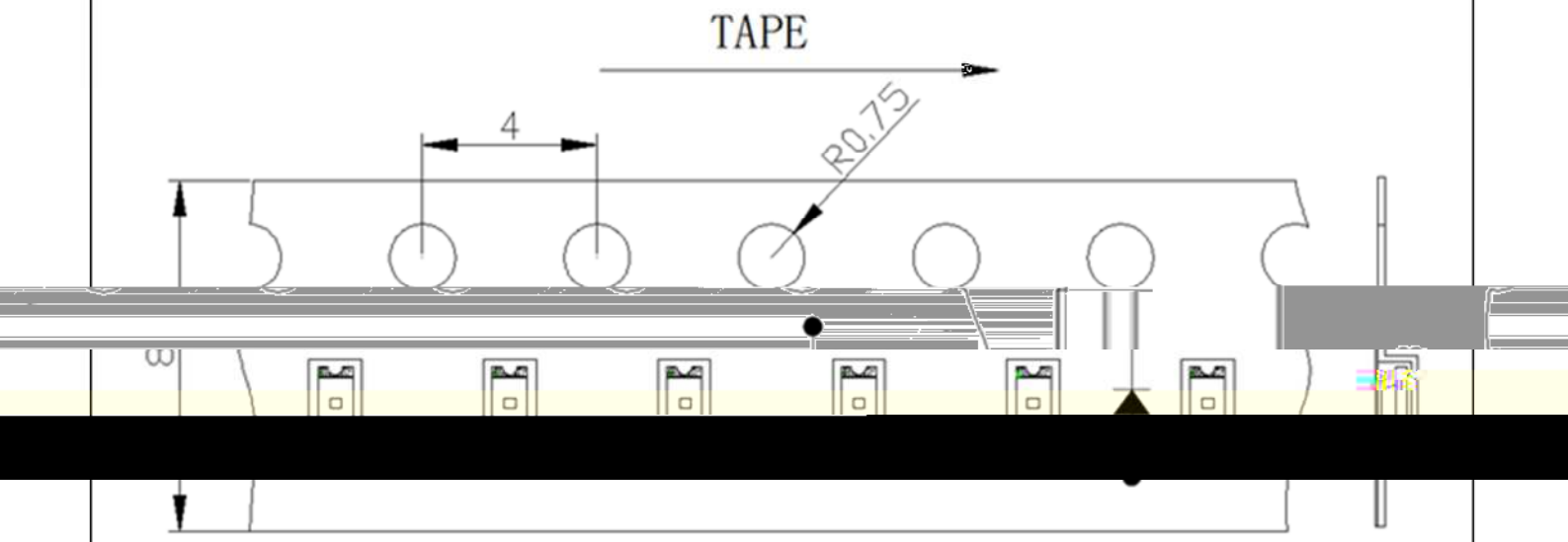
Electrical Optical Characteristics at Ta=25

Parameter	Symbol	Min.	Typ.	Max.	Unit	Test Condition
Luminous Intensity	Iv	70	---	150	mcd	I_F=20mA (Note 1)
Viewing Angle	$2\theta_{1/2}$	---	120	---	Deg.	(Note 2)
Peak Emission Wavelength	λp	---	610	---	nm	I_F=20mA
Dominant Wavelength	λd	600	---	610	nm	I_F=20mA (Note 3)
Spectral Line Half-Width	λ	---	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

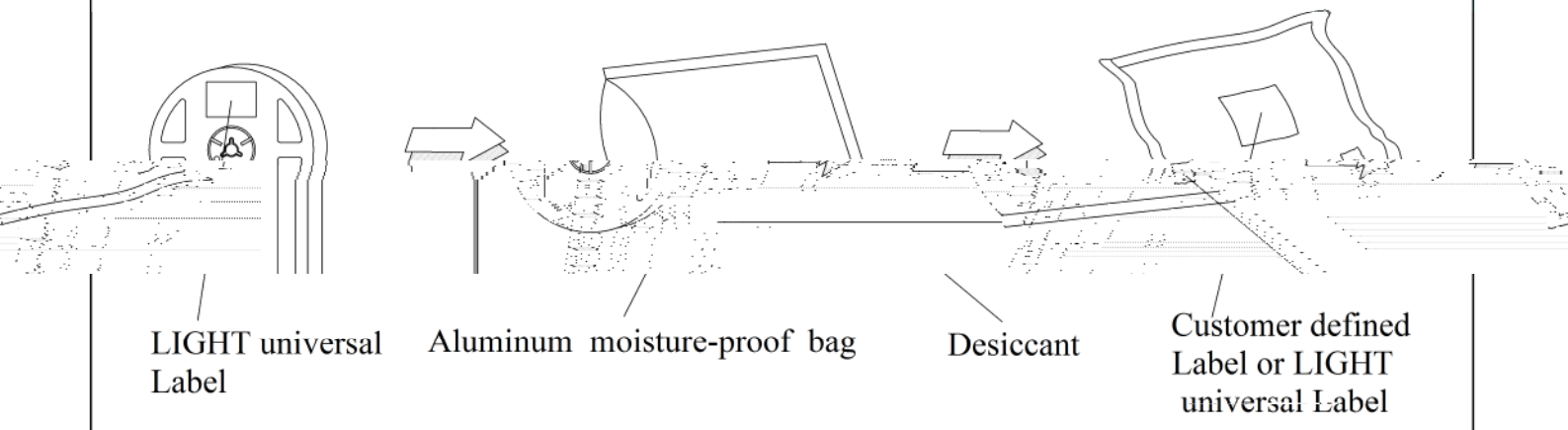
Note:

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. The dominant wavelength, λd 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.

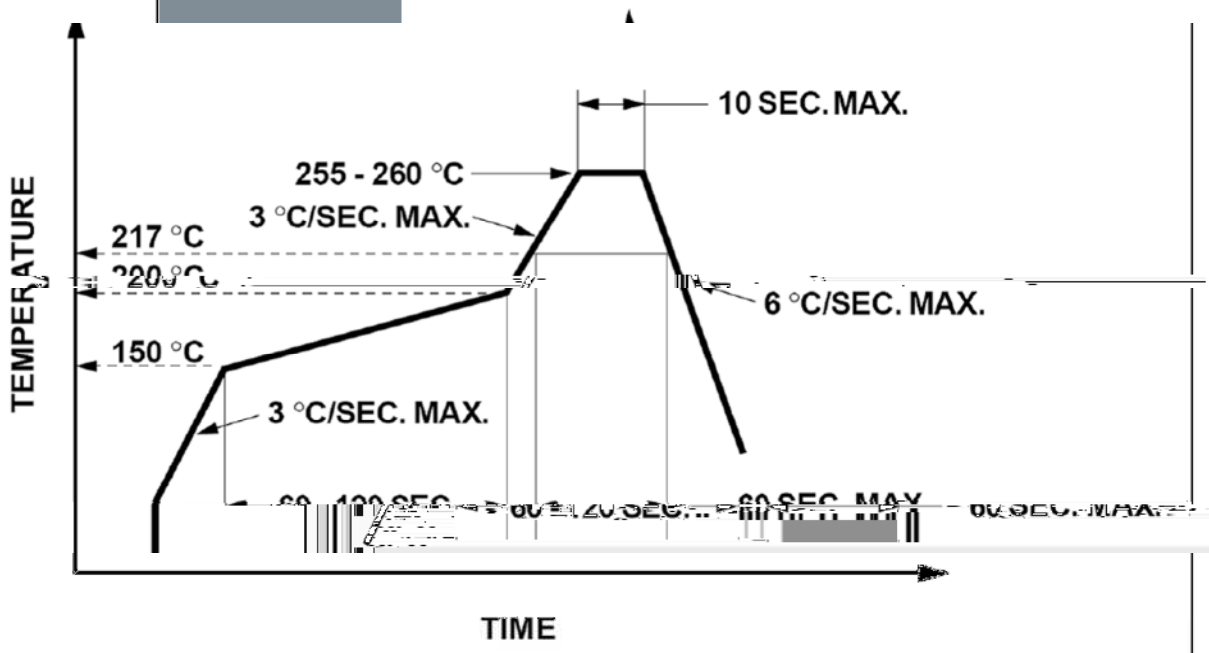
Carrier Tape Specifications (Loaded Quantity: 4000pcs/reel)



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℃ 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.