DATA SHEET

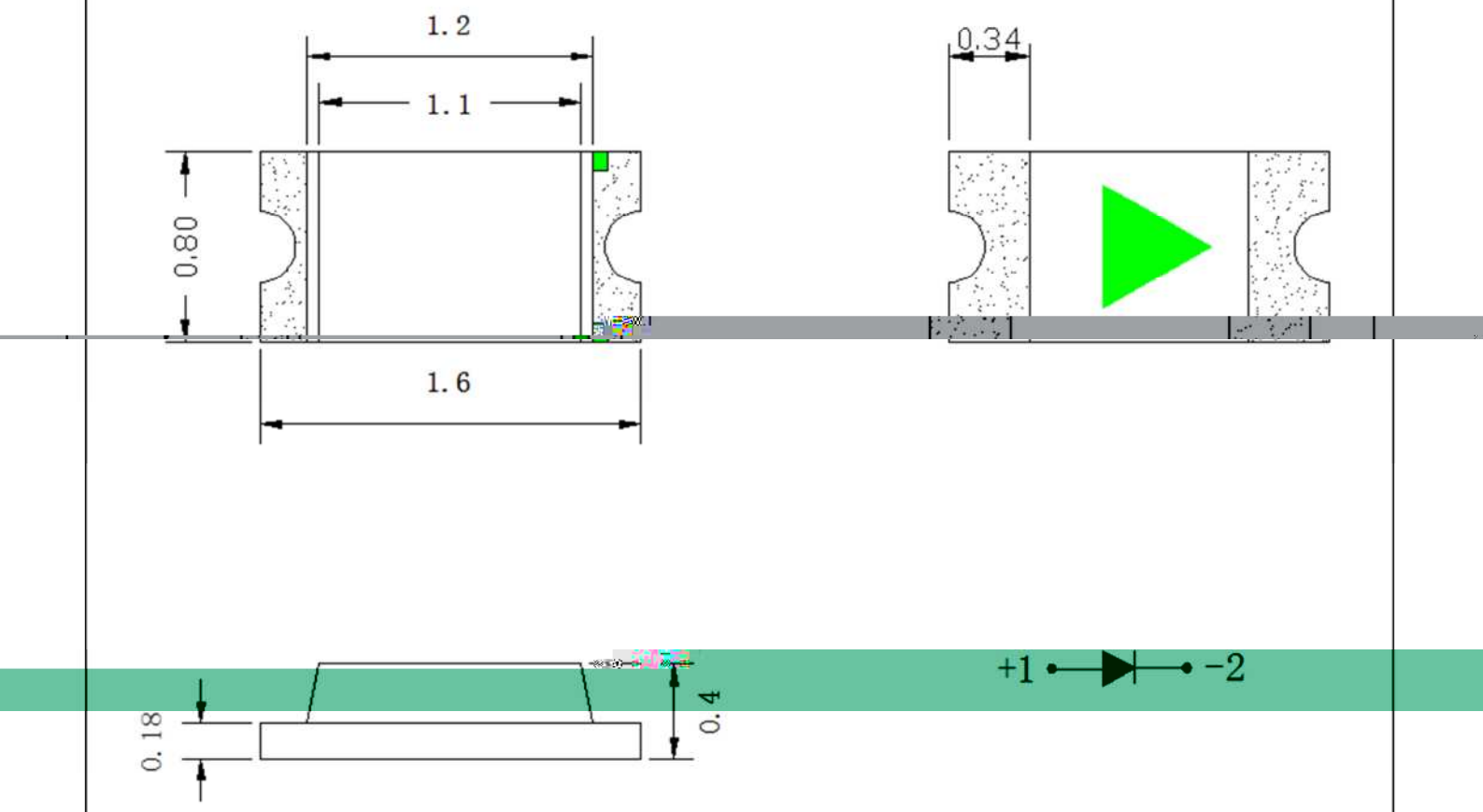
SPEC. NO. : SZ18051006
DATE : 2018/05/10
REV. : A/0

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-T0603GEC005-L40	Water Clear	Green

Notes:

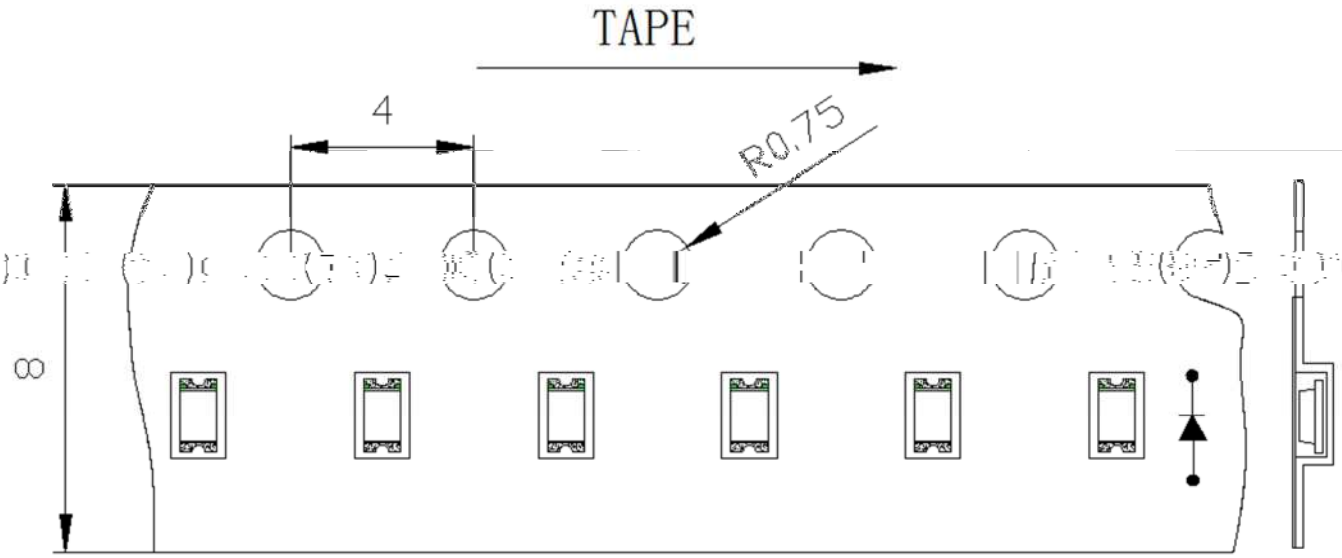
1. All dimensions are in millimeters.
2. Tolerance is ±0.10mm unless otherwise noted

Parameter	MAX.	Unit
Power Dissipation	75	mW
Continuous Forward Current	25	mA
Peak Forward Current *2	60	mA
Reverse Voltage	5	V

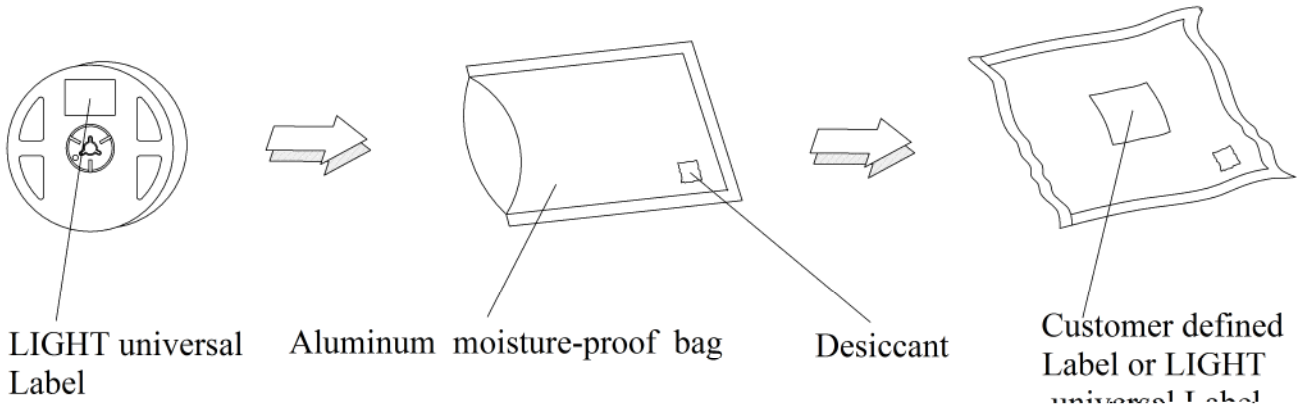
Parameter	Symbol	Min.	Typ.	Max.	Unit	Test Condition
Luminous Intensity	IV	200	---	400	mcd	I_F=5mA (Note 1)
Viewing Angle	$2\theta_{1/2}$	---	120	---	Deg.	(Note 2)
Dominant Wavelength	λd	520	---	530	nm	I_F=5mA
Peak Emission Wavelength	λp	---	515	---	nm	I_F=5mA
Spectral Line Half-Width	λ	---	30	---	nm	---
Forward Voltage	V_F	2.4	---	3.2	V	I_F=5mA (Note 4)
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. 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)

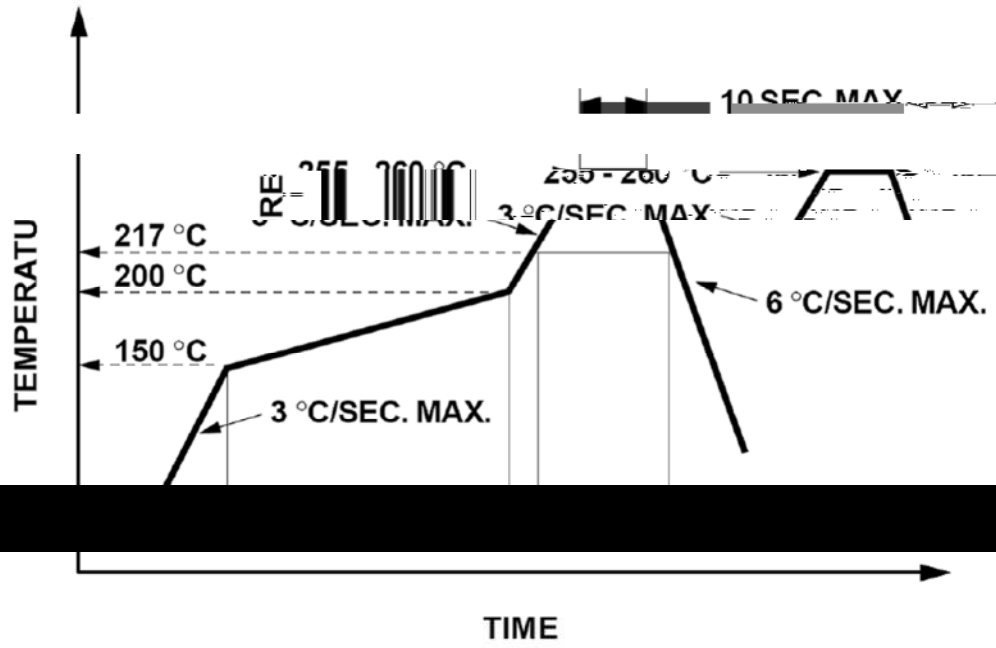


Moisture Resistant Packaging



TAPE

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.