



# **SL-T0603UOC020-L60-A DATA SHEET**

 SPEC. NO.
 : SZ18051005

 DATE
 : 2018/05/10

 REV.
 : A/0

Approved By: Checked By: Prepared By:

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## LIGHT ELECTRONICS CO., LTD.



#### Electrical Optical Characteristics at Ta=25

Parameter	Symbol	Min.	Тур.	Max.	Unit	Test Condition
Luminous Intensity	Iv	70		150	mcd	I <sub>F</sub> =20mA (Note 1)
Viewing Angle	2 1/2		120		Deg.	(Note 2)
Peak Emission Wavelength	p		610		nm	I <sub>F</sub> =20mA
Dominant Wavelength	d	600		610	nm	I <sub>F</sub> =20mA (Note 3)
Spectral Line Half-Width			15		nm	I <sub>F</sub> =20mA
Forward Voltage	$V_{\mathrm{F}}$	1.8		2.4	V	I <sub>F</sub> =20mA
Reverse Current	$I_R$			10	μΑ	V <sub>R</sub> =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:  $\pm 15\%$ .
- 2. <sub>1/2</sub> 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: ±1.0nm.
- 4. Tolerance of Forward Voltage: ±0.1V.

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# LIGHT ELECTRONICS CO., LTD.

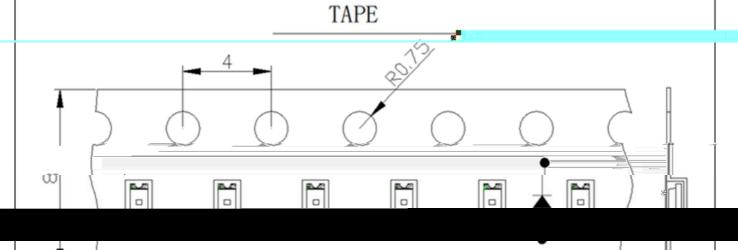




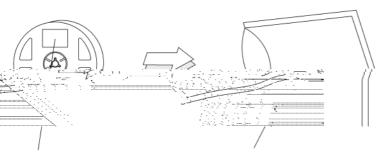
## LIGHT ELECTRONICS CO., LTD.







### Moisture Resistant Packaging



LIGHT universal Aluminum moisture-proof bag Label



Desiccant Customer defined Label or LIGHT universal Label

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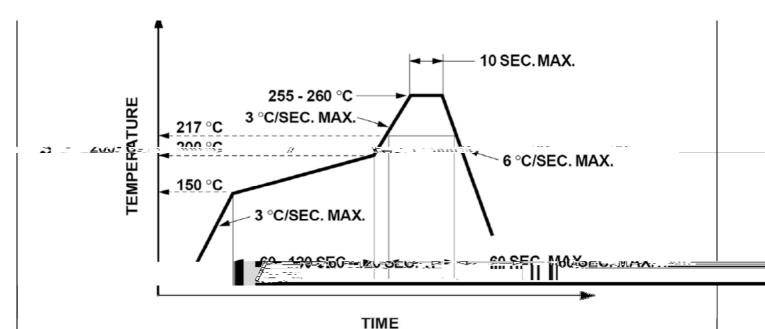
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#### Suggest IR Reflow Condition For Lead Free



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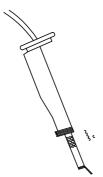
- 1. Reflow soldering should not be done more than two times.
- 2. When soldering, do not put stress on the LEDs during heating.

#### Saldering 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.



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