

# SL-T1921SYC020-L190

## DATA SHEET

SPEC. NO. : SZ20062202  
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Approved By:

Checked By:

Prepared By:





### Electrical Optical Characteristics at Ta=25°C

Parameter	Symbol		Min.	Typ.	Max.	Unit	Test Condition
Luminous Intensity	I <sub>v</sub>	S12	145	---	185	mcd	I <sub>F</sub> =20mA (Note 1)
		S13	185	---	240		
		S14	240	---	310		
Viewing Angle	2 <sub>1/2</sub>		---	110	---	Deg.	(Note 2)
Peak Emission Wavelength	p		---	585	---	nm	I <sub>F</sub> =20mA
Dominant Wavelength	d	Y1	585	---	589	nm	I <sub>F</sub> =20mA (Note 3)
		Y2	589	---	593		
Spectral Line Half-Width			---	15	---	nm	I <sub>F</sub> =20mA
Forward Voltage	V <sub>F</sub>	V2	1.8	---	2.1	V	I <sub>F</sub> =20mA
		V3	2.1	---	2.4		
Reverse Current	I <sub>R</sub>		---	---	10	μA	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: ±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.







ications(Loaded Quantity: 2000PCS/reel)

Packaging

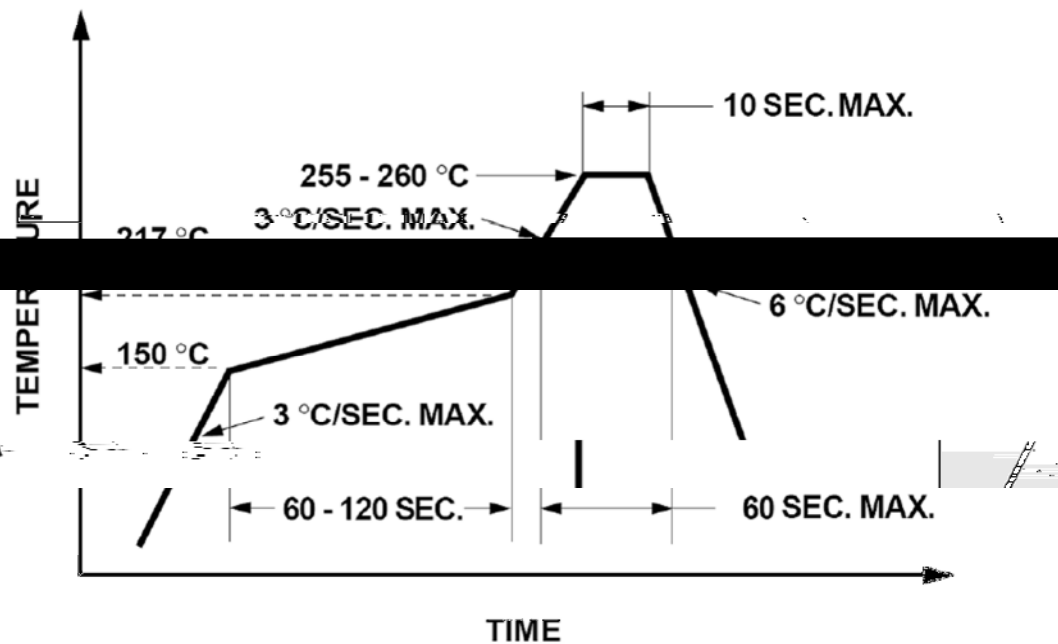


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## Figure 19. Reflow Soldering Temperature Profile



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.

