

# SL-T1921SYC020-L190

## DATA SHEET

SPEC. NO. : SZ20062202  
DATE : 2020/09/16  
REV. : A/1

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  |      |                               |
|                          | 1/2            |     | ---  | 110  | ---  | Deg. | (Note 2)                      |
|                          |                |     |      |      |      |      | I <sub>F</sub> =20mA          |
|                          |                | 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. 1/2 is the off-axis angle at which the luminous intensity is half the axial luminous intensity.
3. single wavelength which defines the color of the device. Tolerance of Dominant Wavelength: ±1.0nm.
4. Tolerance of Forward Voltage: ±0.1V.







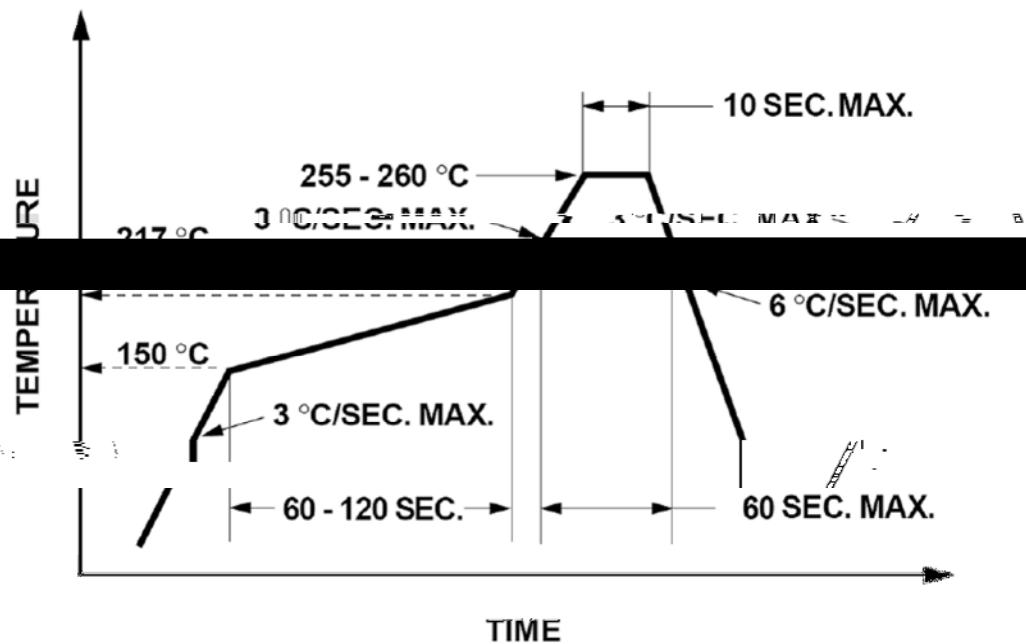


**Carrier Tape Specifications(Loaded Quantity: 2000PCS/reel)**

**Moisture Resistant Packaging**



0.5mm for 1000 pieces



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.

