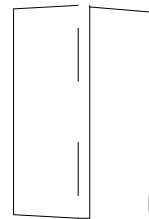
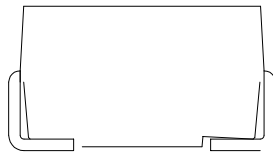




## Features

- 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-T3528IRURPC010-L180 | Water Clear | Infrared/Red/Purple |

### Notes:

- All dimensions are in millimeters.
- Tolerance is  $\pm 0.10$ mm unless otherwise noted.
- Specifications are subject to change without notice.



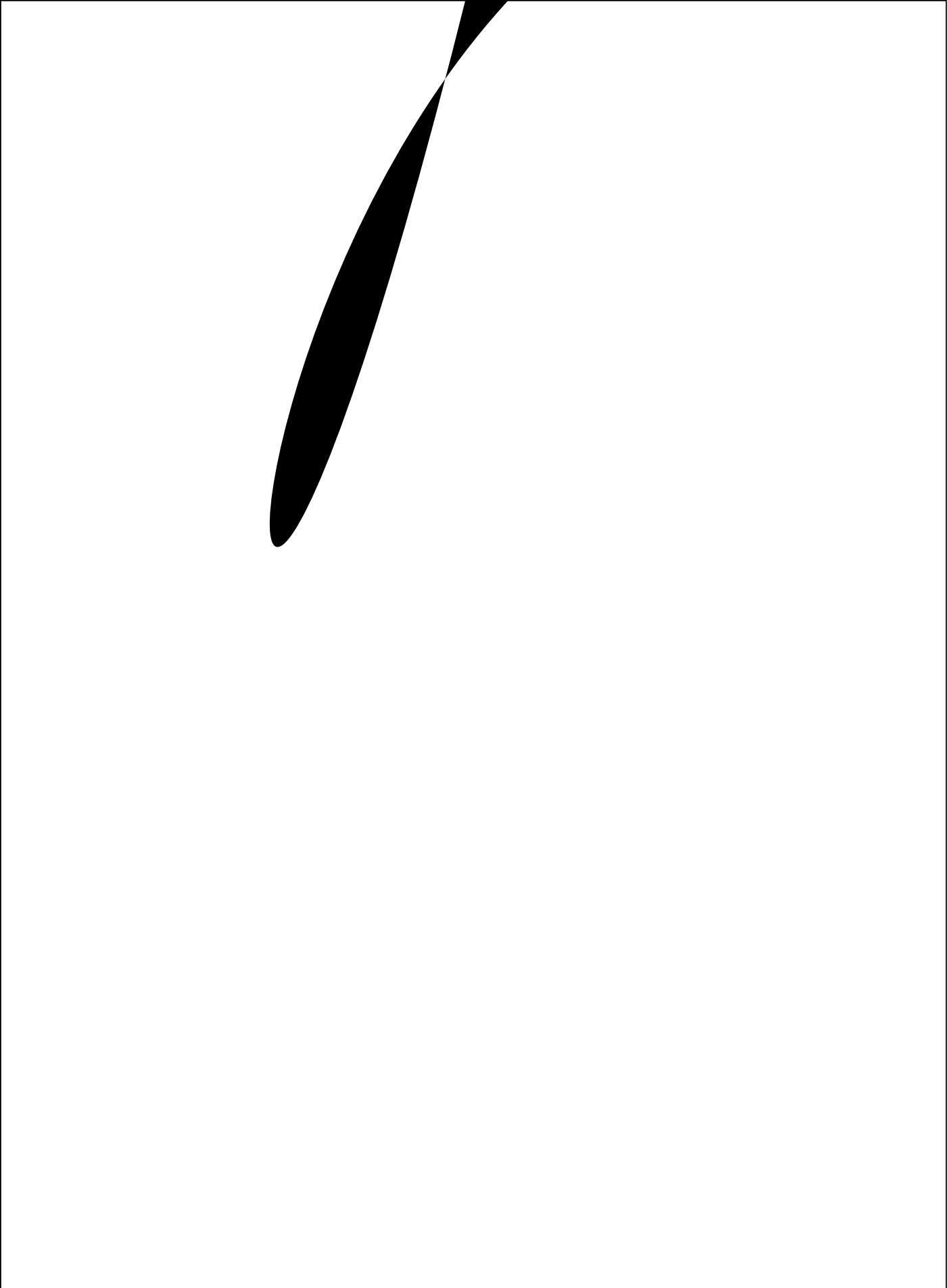
# LIGHT



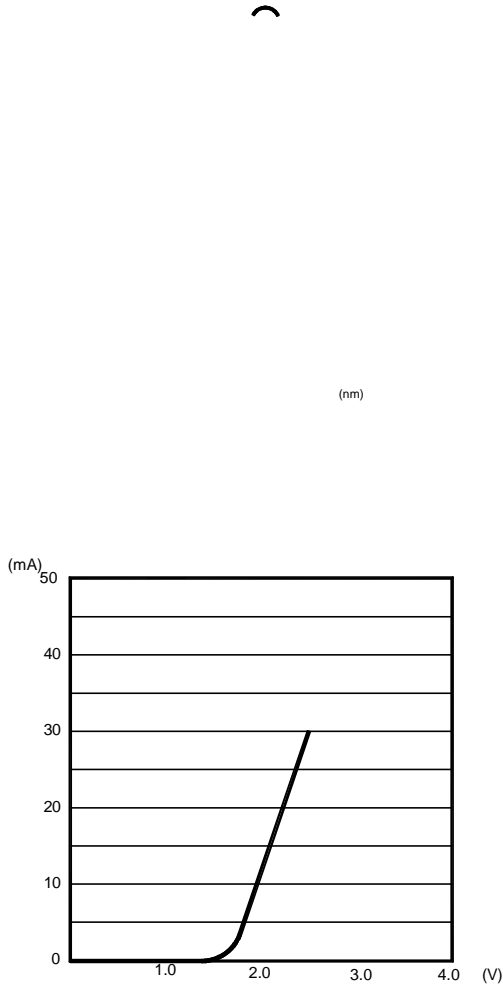
## Electrical Optical Characteristics at Ta=25°C

| Parameter         | Symbol         | Color    | Min. | Typ. | Max. | Unit  | Test Condition       |
|-------------------|----------------|----------|------|------|------|-------|----------------------|
| Radiant Intensity | I <sub>e</sub> | Infrared | 1.0  | 2.0  | ---  | mW/sr | I <sub>F</sub> =10mA |
|                   |                |          | 200  | 330  | ---  | mcd   | I <sub>F</sub> =10mA |

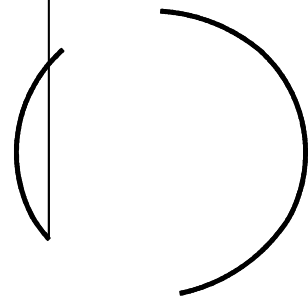
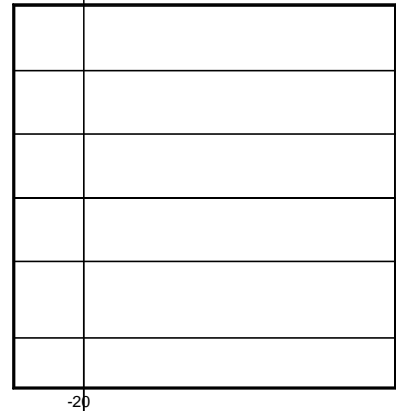
|     |     |     |      |          |  |
|-----|-----|-----|------|----------|--|
| --- | 120 | --- | Deg. | (Note 2) |  |
|-----|-----|-----|------|----------|--|

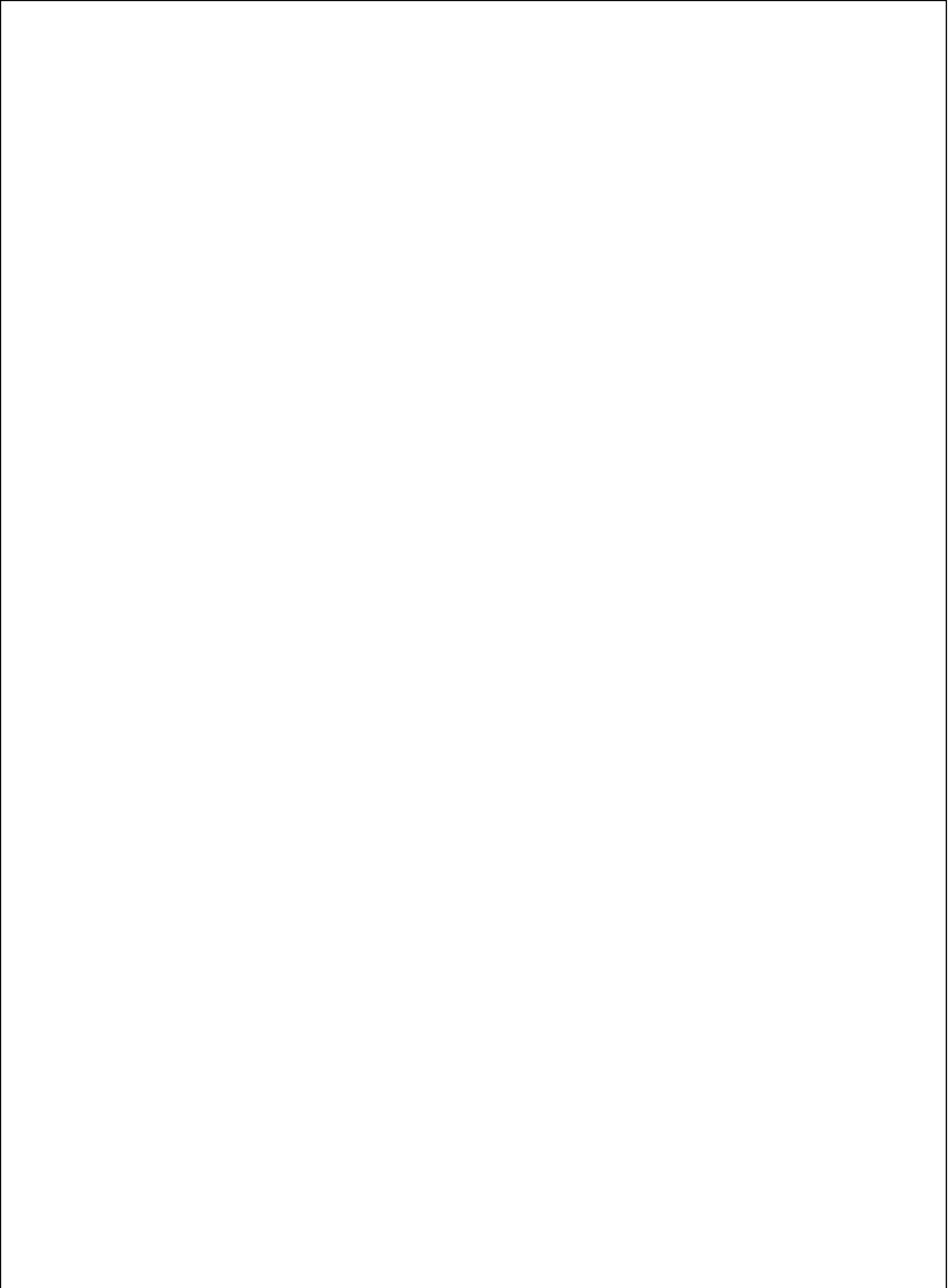


## Typical Electrical / Optical Characteristics Curves for Red (25°C Ambient Temperature Unless Otherwise Noted)




(nm)






## Label Explanation

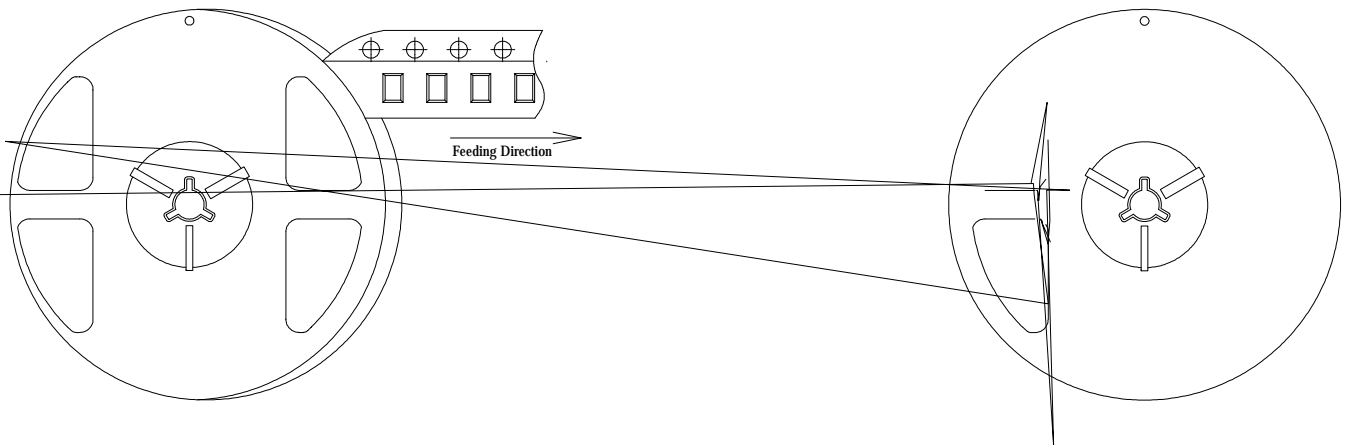
LIGHT Universal Label

|                             |  |             |
|-----------------------------|--|-------------|
| <b>LIGHT</b>                |  | <b>RoHS</b> |
| Light Electronics CO., LTD. |  |             |
| MODEL NAME: _____           | <br>LOT NO. : _____ |             |
| QUANTITY: _____             |  |             |
| BIN: _____                  |  |             |
| PACKING DATE: _____         |  |             |
| REMARKS: _____              |  |             |

Customer Defined Label

|                             |  |             |
|-----------------------------|--|-------------|
| <b>LIGHT</b>                |  | <b>RoHS</b> |
| Light Electronics CO., LTD. |  |             |
| MODEL NAME: _____           | <br>LOT NO. : _____ |             |
| QUANTITY: _____             |  |             |
| BIN: _____                  |  |             |
| PACKING DATE: _____         |  |             |
| CUSTOMER P/N: _____         |  |             |

## Reel Dimensions

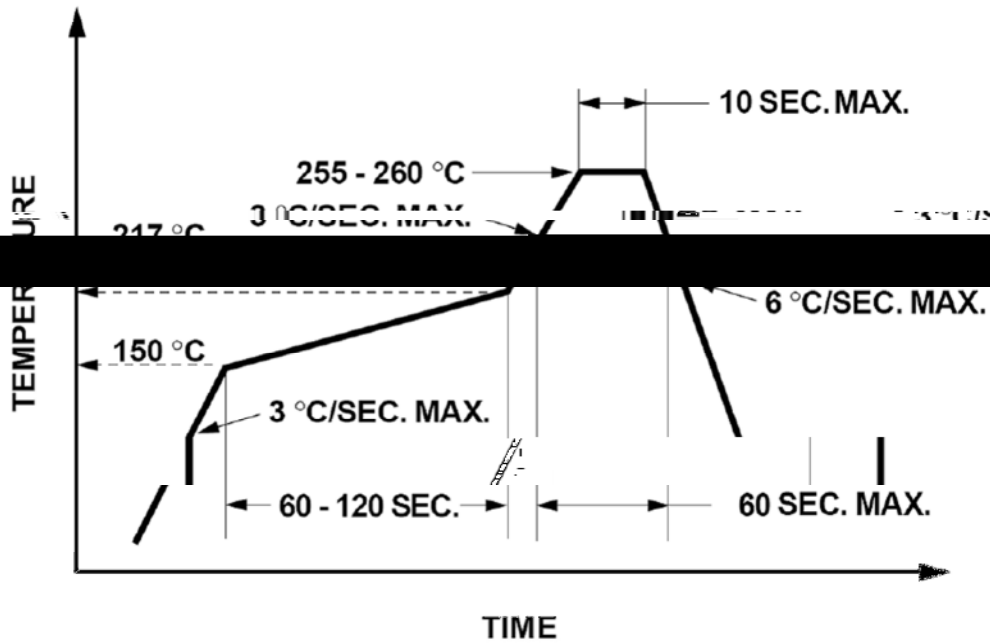


**Note:** Tolerance unless mentioned is  $\pm 0.2\text{mm}$ ; Unit = mm





**Suggested Reflow Conditions of the LED**



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.

