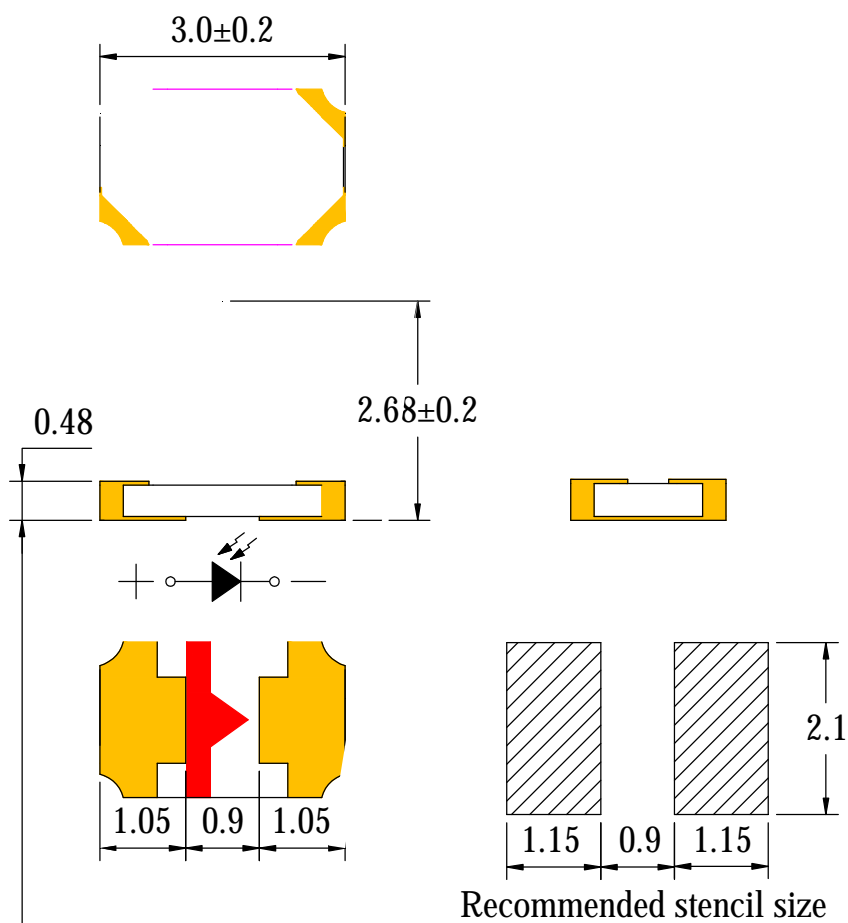




### Features

- Pb free product—RoHS compliant
- High Photo Sensitivity
- Reliable and rugged
- Long life – solid state reliability
- Sensitivity angle: 85°

### Package Dimension



| Part NO.                | Chip Material | Lens Color |
|-------------------------|---------------|------------|
| SL-T3020PDB020-L268-F-S | Silicon       | Black      |

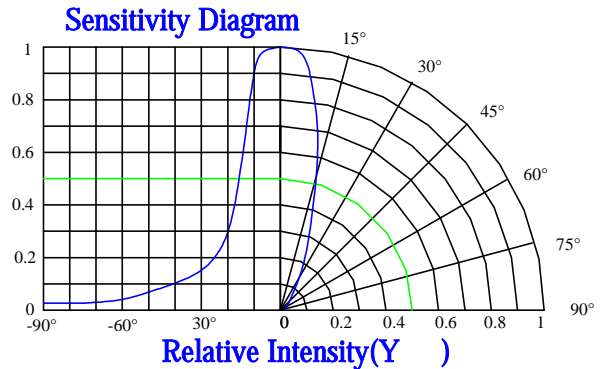
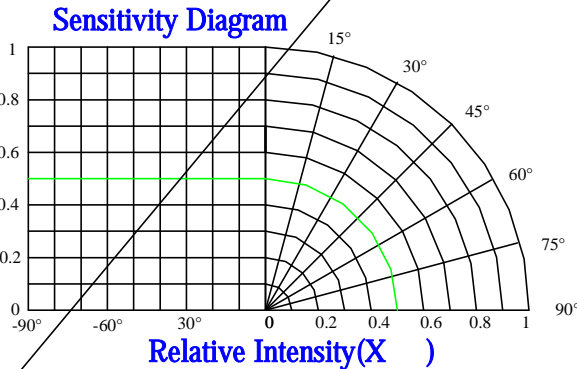
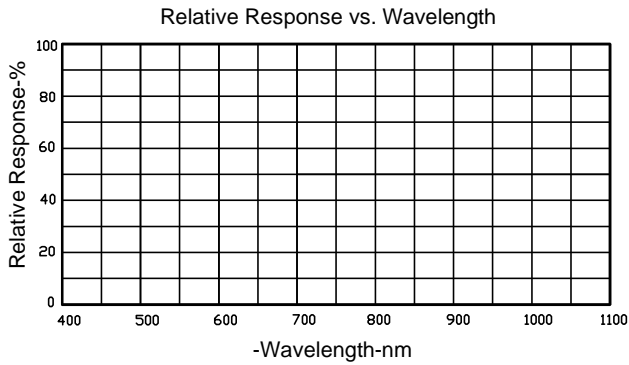
#### Notes:

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





**Typical Electrical / Optical Characteristics Curves**  
**(25 Ambient Temperature Unless Otherwise Noted)**



**Reverse Light Current( $I_L$ ) Bin Code ( $V_R=5V$ ,  $E_e=1mW/cm^2$ )**

| BIN CODE | Min.( $\mu A$ ) | Max.( $\mu A$ ) |
|----------|-----------------|-----------------|
| 26       | 9.2             | 11              |
| 27       | 11              | 13              |
| 28       | 13              | 15.5            |
| ...      | ...             | ...             |

**NOTE:** The  $I_L$  guarantee should be added  $\pm 15\%$  tolerance.

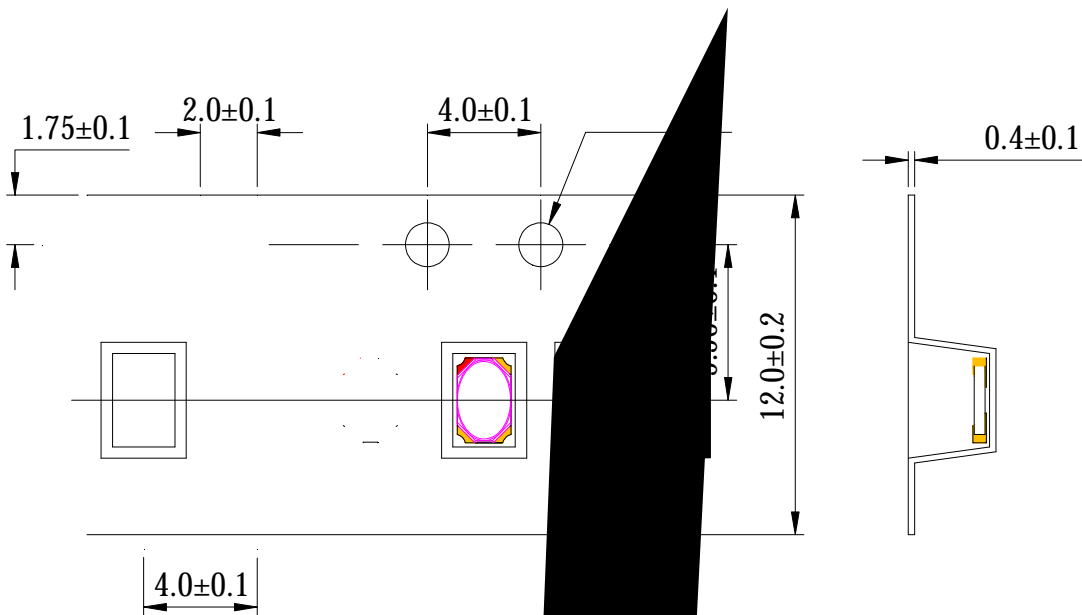


### Label Explanation

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

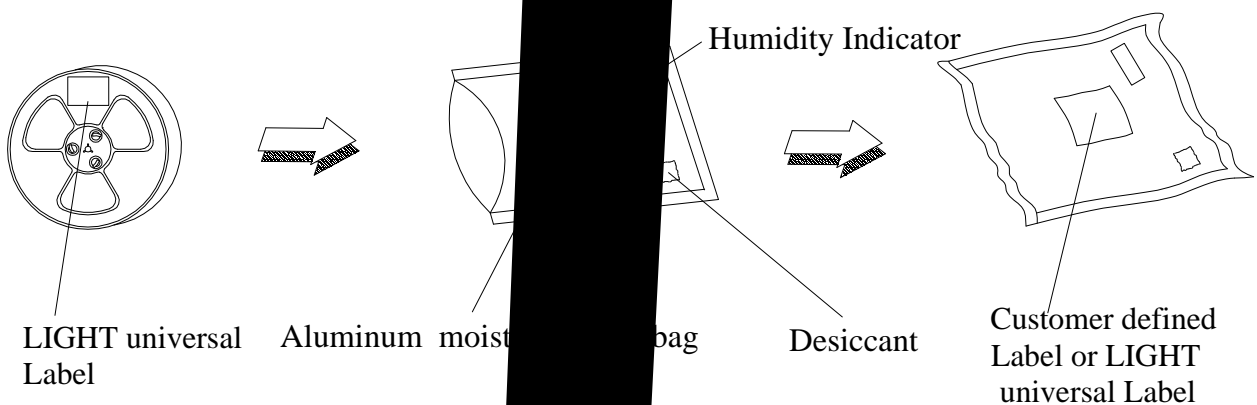
|   |                     |
|---|---------------------|
| <b>LIGHT</b><br>Light Electronics CO., LTD. |                     |
| MODEL NAME: _____                           |                     |
| QUANTITY: _____                             |                     |
| BI N: _____                                 | PACKING DATE: _____ |
| EXPIRATION DATE: _____                      |                     |
| CUSTOMER P/N: _____                         |                     |

**Carrier Tape Specifications (Loaded Quantity: 5000pcs/reel)**

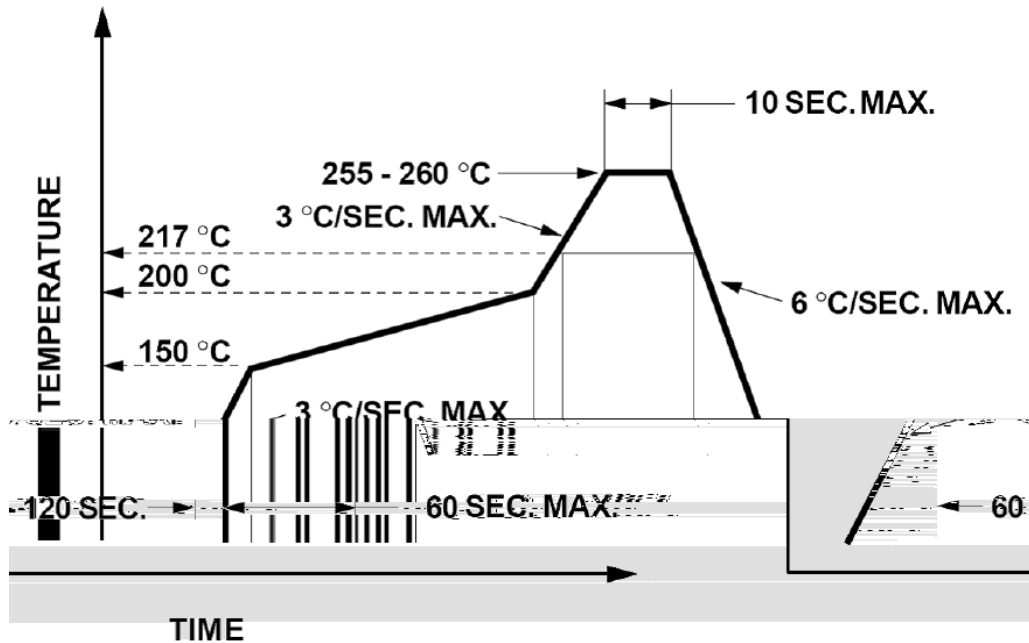


**Note:** Tolerance unless mentioned is  $\pm 0.1$ mm;

**Moisture Resistant Packaging**



## 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°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.

