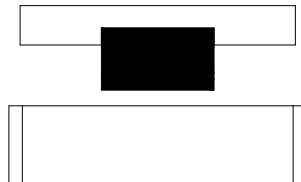
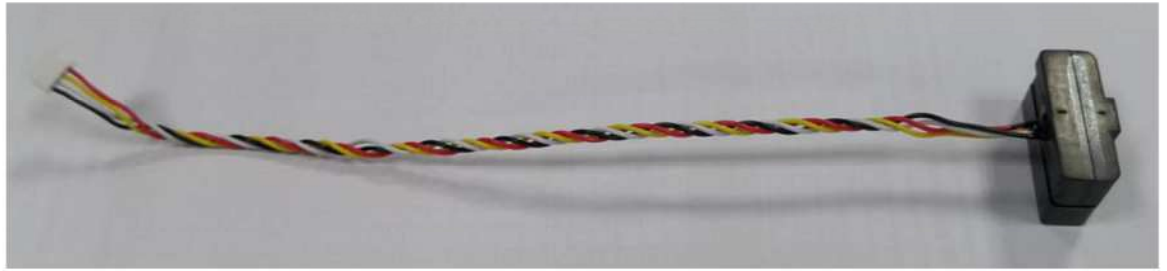




## DIMENSIONS OF PRODUCT



### Notes:

1. All dimensions are in millimeters.
2. Tolerance is  $\pm 0.50\text{mm}$  unless otherwise noted.
3. Specifications are subject to change without notice.
4. Specifications are subject to change without notice.

## Features

Pb free product—RoHS compliant

Fast response time

High sensitivity

Invisible wavelength =940nm

Integration structure

The four pins of the connector and the corresponding PCB pads are filled with silicone

## Typical Applications

Intelligent Sweeping Robot

## Absolute Maximum Ratings at Ta=25

| Parameter                     |                                    | Symbol           | Ratings     | Unit |
|-------------------------------|------------------------------------|------------------|-------------|------|
| Input                         | Power Dissipation                  | Pd               | 170         | mW   |
|                               | Reverse Voltage                    | V <sub>R</sub>   | 5           | V    |
|                               | Forward Current                    | I <sub>F</sub>   | 100         | mA   |
|                               | Peak Forward Current <sup>*1</sup> | I <sub>FP</sub>  | 250         | mA   |
| Output                        | Collector Power Dissipation        | Pc               | 75          | mW   |
|                               | Collector Current                  | I <sub>C</sub>   | 20          | mA   |
|                               | Collector-Emitter Voltage          | V <sub>CEO</sub> | 30          | V    |
|                               | Emitter-Collector Voltage          | V <sub>ECO</sub> | 5           | V    |
| Electrostatic Discharge (HBM) |                                    | ESD              | 4000        | V    |
| Operating Temperature Range   |                                    | T <sub>opr</sub> | -25 to + 65 |      |
| Storage Temperature Range     |                                    | T <sub>stg</sub> | -40 to + 85 |      |





## PACKAGE

|  |          |
|--|----------|
| <b>LIGHT</b> 深圳莱特光电股份有限公司<br>Light Electronics CO., LTD. | LOT NO.: |
| TYPE NO.:  |          |
| QUANTITY:  |          |
| BIN:   |          |
| DATE CODE:   |          |
| REMARKS:   |          |

| Bag volume<br>(pcs / Bag) | Outer Carton volume<br>(Bag / Carton) |
|---------------------------|---------------------------------------|
| 30                        | 18                                    |