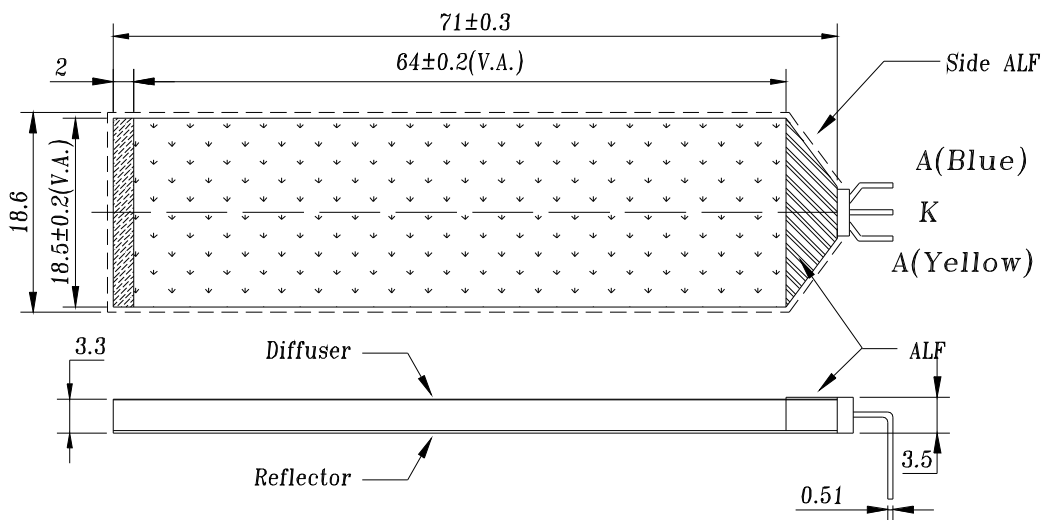


1、 Mechanical Outline(Unspecified Tolerances is:  $\pm 0.3\text{mm}$ ) Color: Blue/Yellow



2、 Lamp: 1 x 1 =1

3、 Storage & Soldering Conditions:

- 1 Store with care. Storing the units in bad condition will cause the reflector sheet and decrease it's adhesive power. Storage the products under the condition: temperature ( $25^{\circ}\text{C} \pm 10^{\circ}\text{C}$ ) and humidity ( $65^{\circ}\text{CRH} \pm 20^{\circ}\text{CRH}$ ) our recommendation.
- 1 The soldering Temperature is  $260 \pm 5^{\circ}\text{C}$  and Soldering Time should be less than 3 sec, and soldering iron power should be less than 30W.
- 1 The soldering point should be farther than 1.6mm from body.

4、 ABSOLUTE MAXIMUM RATINGS

(Unless specified, The Ambient temperature  $T_a = 25^{\circ}\text{C}$ )

| Item                             | Symbol | Condition                  | Rating  |        | Unit               |
|----------------------------------|--------|----------------------------|---------|--------|--------------------|
|                                  |        |                            | Blue    | Orange |                    |
| Absolute maximum forward current | Ifm    |                            | 30      | 25     | mA                 |
| Peak forward current             | Ifp    | 1 msec Plus 10% Duty Cycle | 50      | 30     | mA                 |
| Reverse Voltage                  | Vr     |                            | 10      | 10     | V                  |
| Power dissipation                | Pd     |                            | 100     | 50     | mW                 |
| Operating Temperature Range      | Topr   |                            | -20~+70 |        | $^{\circ}\text{C}$ |
| Storage Temperature Range        | Tstg   |                            | -25~+70 |        | $^{\circ}\text{C}$ |

## 5、ELECTRICAL-OPTICAL CHARACTERISTICS

(Unless specified, The Ambient temperature Ta=25°C)

| Item            | Symbol | Blue |      |      | Orange |      |      | Unit | Condition              |
|-----------------|--------|------|------|------|--------|------|------|------|------------------------|
|                 |        | Min. | Typ. | Max. | Min.   | Typ. | Max. |      |                        |
| Forward Voltage | Vf     | 3.0  | 3.3  | 3.6  | 1.9    | 2.0  | 2.1  | Vf   | If=20mA <sub>x2</sub>  |
| Forward Current | If     | 15   | 20   | 25   | 10     | 15   | 20   | mA   | Vf=3.3(B)<br>Vf=2.0(Y) |
| 反向电流            | Ir     |      |      | 10   |        |      | 10   | μA   | Vr=5V                  |
| 光 强             | Lv     | 50   | 60   | 70   | 40     | 50   | 60   | mcd  | If=20mA <sub>x2</sub>  |
| 峰值波长            | λp     | 465  | 467  | 470  | 580    | 585  | 590  | nm   | If=20mA <sub>x2</sub>  |

## 6、STATIC ELECTRICITY AND SURGE

- 1 Static electricity and surge will damage the LEDs. It is recommended to use a wrist band or anti-electrostatic glove when handling the LEDs.
- 1 All devices, equipment and machinery must be properly grounded.