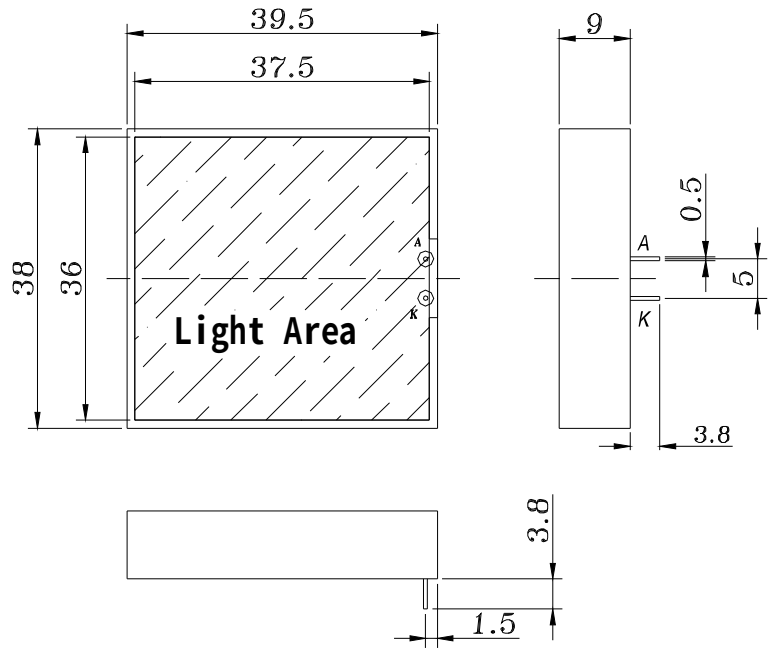
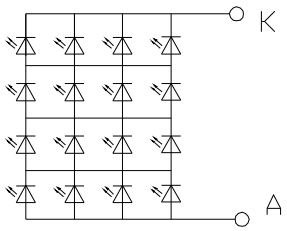
1、 Mechanical Outline(Unspecified Tolerances is：±0.3mm) Color：White




2、Lamp： 4 x 4 = 16




3、Storage & Soldering Conditions：

- 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 (25º C ± 10º C) and humidity (65ºCRH±20ºCRH) our recommendation.

- The soldering Temperature is 260±5ºC and Soldering Time should be less than 3 sec, and soldering iron power should be less than 30W.

- The soldering point should be farther than 1.6mm from body.

4、ABSOLUTE MAXIMUM RATINGS
(Unless specified, The Ambient temperature Ta=25ºC)

| Item | Symbel | Condition | Rating | Unit |
|---|---|---|---|---|
| Absolute maximum forward current | Ifm | | 120 | mA |
| Peak forward current | Ifp | 1 msec Plus 10% Duty Cycle | 200 | mA |
| Reverse Voltage | Vr | | 20 | V |
| Power dissipation | Pd | | 1500 | mW |
| Operating Temperature Range | Topr | | -20～+70 | ℃ |
| Storage Temperature Range | Tstg | | -20～+75 | ℃ |

5、ELECTRICAL-OPTICAL CHARACTERISTICS
(Unless specified, The Ambient temperature Ta=25ºC)

| Item | Symbol | Min. | Typ. | Max. | Unit | Condition |
|---|---|---|---|---|---|---|
| Forward Current | If | 100 | 120 | 140 | mA | Vf=12.8V |
| Forward Voltage | Vf | 12.0 | 12.8 | 13.2 | V | If=120mA |
| Reverse Current | Ir | | | 120 | μA | Vr=20V |
| Luminance (Without Glass) | Lv | 130 | 150 | 170 | $cd/m^2$ | Vf=12.8V |

6、Chromaticity Coordinates

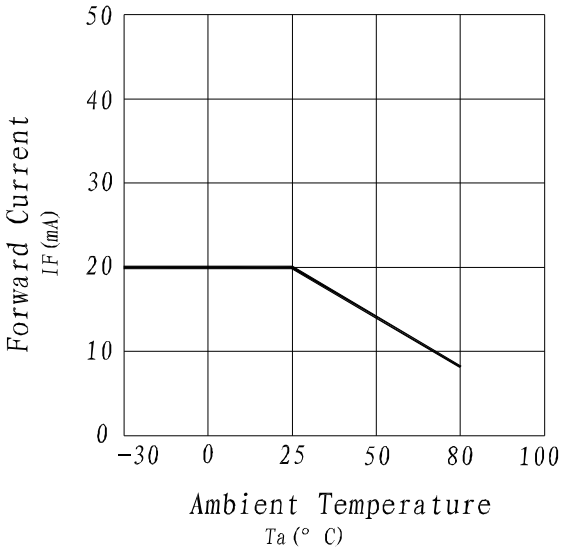
| Item | Symbol | Min. | Typ. | Max. | Unit | Condition |
|---|---|---|---|---|---|---|
| Typical x | x | | 0.28 | | | If=60mA |
| Typical y | y | | 0.29 | | | If=60mA |

7、STATIC ELECTRICITY AND SURGE

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

8、LED Electrical Characteristics

Forward Current VS. Ambient Temperature




Relative Intensity VS. Ambient Temperature