



本規格書為 **LED SMD** 產品型號：ST-352819YCYBD1V-D0 相關規格

產品規格：

Emitted color : Yellow

Lens Color : Water Clear

Dice : InGaN/SiC

**Absolute Maximum Ratings (Tj = 25°C)**

| Parameter                                                 | Value               | Unit |
|-----------------------------------------------------------|---------------------|------|
| Power Dissipation                                         | 75                  | mW   |
| Continuous Forward Current                                | 20                  | mA   |
| Peak Forward Current (1/10 Duty Cycle, 0.1ms Pulse Width) | 100                 | mA   |
| Reverse Voltage                                           | 5                   | V    |
| Operating Temperature Range                               | -40to +85           | °C   |
| Storage Temperature Range                                 | -40to +100          | °C   |
| Lead Solder Temperature                                   | 260°C for 5 seconds |      |

**Electrical-Optical Characteristics (Tj = 25°C)**

| Parameter                 | Symbol          | MIN | TYP | MAX | UNIT    | TEST CONDITION |
|---------------------------|-----------------|-----|-----|-----|---------|----------------|
| Forward Voltage           | VF              | 1.8 |     | 2.2 | V       | If=20mA        |
| Wavelength                | $\lambda_d$     | 586 |     | 598 | nm      |                |
| Reverse Current           | IR              |     |     | 50  | $\mu A$ | VR=5V          |
| Luminous Intensity        | IV              | 320 |     | 975 | mcd     | If=20mA        |
| Recommend Forward Current | If(Rec)         |     |     |     | mA      |                |
| Full Viewing Angle        | $2\theta_{1/2}$ |     | 120 |     | deg     | If=20mA        |



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**(I<sub>F</sub>=20mA)**

| Rank                     | B         | C         | D         | E         | F          |
|--------------------------|-----------|-----------|-----------|-----------|------------|
| Luminous Intensity (mcd) | 325 ~ 420 | 420 ~ 546 | 546 ~ 710 | 750 ~ 975 | 975 ~ 1265 |

**(I<sub>F</sub>=20mA)**

| Rank                       | B         | C         | D         | E         |
|----------------------------|-----------|-----------|-----------|-----------|
| Dominant Wavelength ( nm ) | 586 ~ 589 | 589 ~ 592 | 592 ~ 595 | 595 ~ 598 |

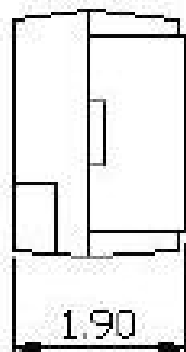
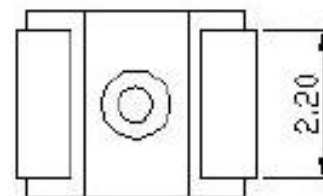
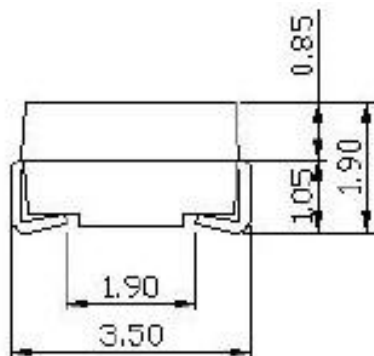
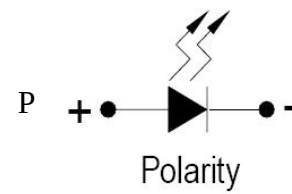
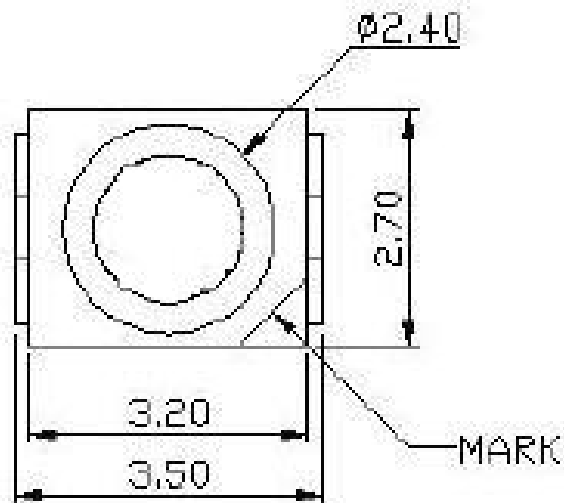


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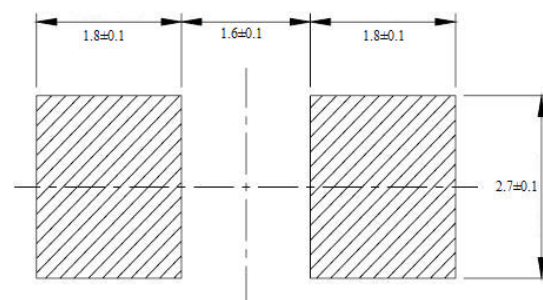
# OUTLINE DIMENSIO

TOLERANCE :0.2

UNIT : mm



For reflow soldering (propose)



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