

JOI NSCAN LEDs

SMT12062 1206 (3.2 X 1.6 X 1.1mm) Mono-Color Surface Mount LED

Electro-optica Characteristics :

Absolute Maximum Ratings :

(Ta = 25°)

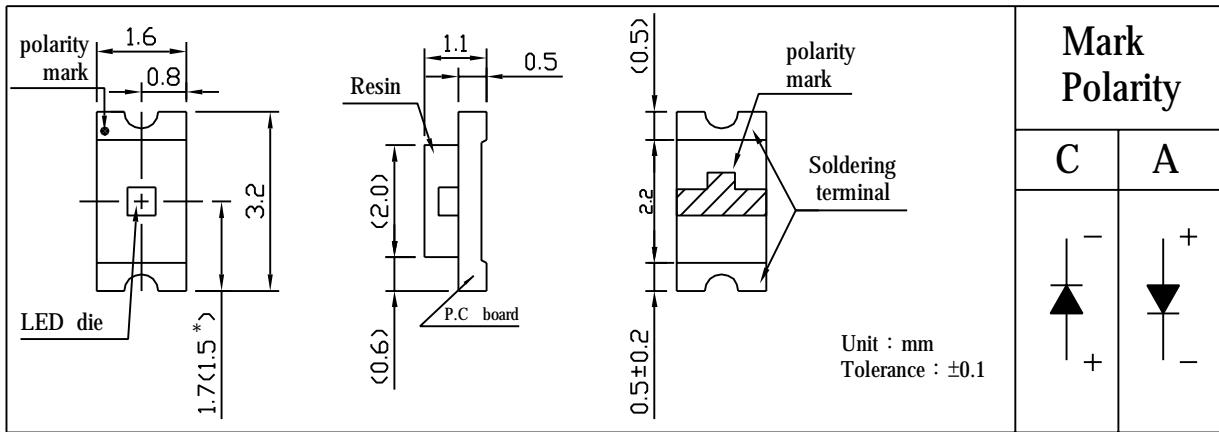
(Ta = 25°)

| MODEL NO. | | Lighting color | VF | | | λ_p typ (nm) | $\Delta\lambda$ typ (nm) | IV | | | mark polarity |
|-------------|----------------|--------------------|------------|------------|------------|----------------------------|--------------------------------|------------|--------------|--------------|------------------|
| CLEAR LENS | DIFFUSION LENS | | IF (mA) | typ (v) | max (v) | | | IF (mA) | min (mcd) | typ (mcd) | |
| SMT12062SR+ | | Super Bright Red | 20 | 1.9 | 2.6 | 660 | 20 | 20 | 25.0 | A | |
| SMT12062G | | Green | 20 | 2.2 | 2.6 | 570 | 30 | 20 | 9.5 | C | |
| SMT12062Y | | Yellow | 20 | 2.1 | 2.6 | 590 | 40 | 20 | 6.5 | C | |
| SMT12062FS | | Blue | 20 | 3.4 | 4.0 | 430 | 40 | 20 | 5.0 | C | |
| SMT12062SF | | Super Blue | 20 | 3.4 | 4.0 | 470 | 40 | 20 | 15.0 | C | |
| SMT12062YCS | | Super Yellow | 20 | 2.1 | 2.6 | 590 | 40 | 20 | 15.0 | C | |
| SMT12062VR | | Ultra Bright Red | 20 | 2.1 | 2.7 | 640 | 30 | 20 | 40.0 | C | |
| SMT12062PGS | | Super Bright Green | 20 | 3.5 | 4.0 | 525 | 40 | 20 | 80.0 | C | |
| SMT12062GZ | | Super Yellow Green | 20 | 2.1 | 2.7 | 574 | 40 | 20 | 40.0 | C | |
| SMT12062UY | | Ultra Yellow | 20 | 2.1 | 2.6 | 591 | 40 | 20 | 50.0 | C | |

| Series | SMT1206 SERIES |
|-------------|----------------|
| Pd (mW) | 65 |
| IF (mA) | 25 |
| IFP (mA) | 100*1 |
| Pd (mW) | 5 |
| Top (°C) | -25~+80 |
| Tst (°C) | -30~+85 |

*1 Condition for IFP is pulse of 1/10 duty and 0.1 msec width

Electro-optica Characteristics :

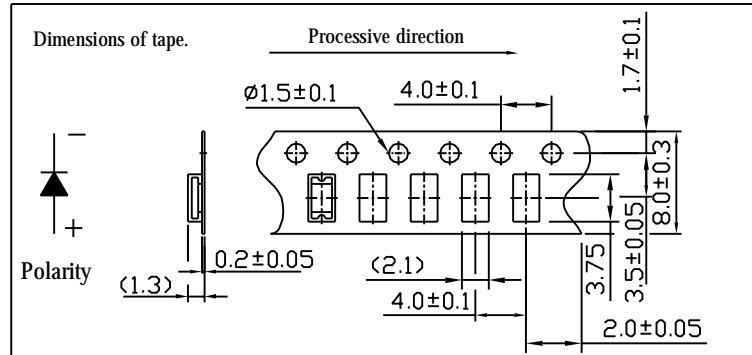
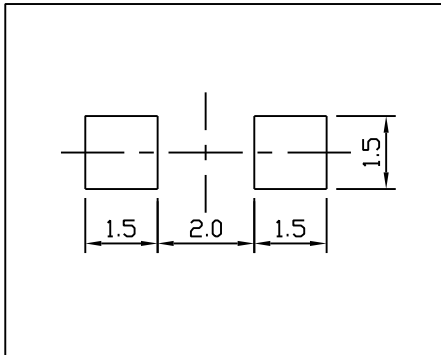


Dimensions : 3.2mm(L)X1.6(W)mmX1.1mm(H)

Recommended Soldering Patten for reflow soldering

Tape Specifications :

Loaded quantity per reel : 3000 pcs/reel



Remark :

1. Typical forward current 10-20mA · MAXimum forward current 25mA
2. Solder Temperature less 5 seconds at 235 °C
3. Peak Foward current Per Dice · Duty cycle 1/10, 10KHZ, MAXimum 120mA
4. Operating Temperature From -25 °C to 85 °C
5. Blue color, pure green color and white color chip are static sensitive devices

REV: A