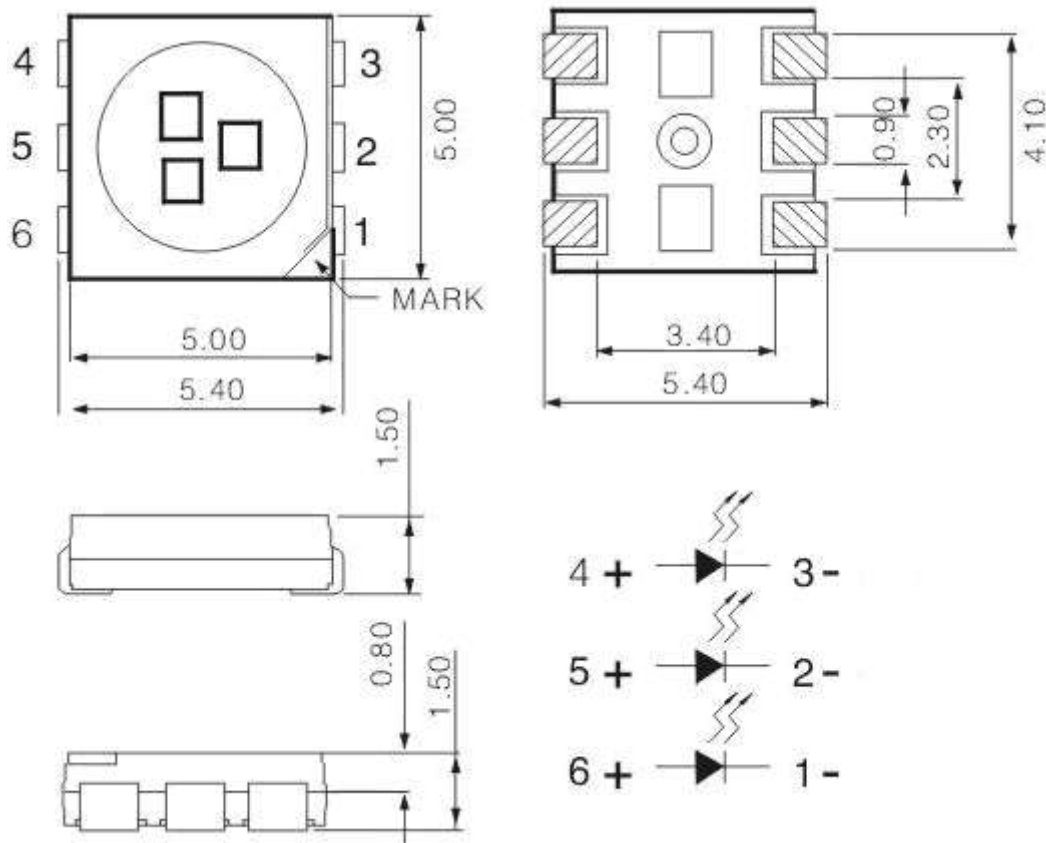


- 5mmx5mm SMD LED, 1.5mm THICKNESS.
- (5mmx5mm SMD)
- WIDE SIDE VIEWING ANGLE.
- LOWPOWER CONSUMPTION.

Package Dimensions



1. All dimensions are in millimeters (inches).
2. Tolerance is $\pm 0.25\text{mm}$ (.010") unless otherwise noted.
3. Specifications are subject to change without notice.
4. This data-sheet only valid for six months.

Absolute Maximum Ratings at TA=25oC

| Parameter | Maximum Rating | Unit |
|--|----------------|--------|
| Power Dissipation | 200 | mW |
| Peak Forward Current (1/10 Duty Cycle, 0.1ms Pulse width) | 150 | mA |
| Continuous Forward Current | 150 | mA |
| Derating Linear From 50°C | 0.4 | mA /°C |
| Operation Temperature Range | -40°C to +80°C | |
| Storage Temperature Range | -40°C to +80°C | |

Lead Soldering Temperature
[4mm (.157") From Body]

260°C for 5 Seconds

Electrical / Optical Characteristics at TA=25°C

| Parameter | Symbol | Min. | Typ. | Max. | Unit | Test Condition |
|-----------------------------|--------|------|------|-------|------|------------------|
| Luminous Flux | IV | 15 | -- | 17 | lm | IF=60mA Note 1.4 |
| Luminous Intensity | IV | 4000 | -- | 5000 | mcd | IF=60mA Note 1.4 |
| Chromaticity Coordinate (R) | CCT | 2700 | 5000 | 10000 | K | IF=60mA Note4 |
| Viewing Angle | 2θ 1/2 | | 120 | | deg | Note 2 |
| Forward Voltage | VF | 3.0 | 3.3 | 3.6 | V | IF=60mA |
| Reverse Current | IR | - | - | 5 | μ A | VR=5V |

Note: 1.Luminous intensity is measured with a light sensor and filter combination that approximates the CIE (Commission International De L'Eclairage) eye-response curve.

2.1/2 is the off-axis angle at which the luminous intensity is half the axial luminous and intensity.

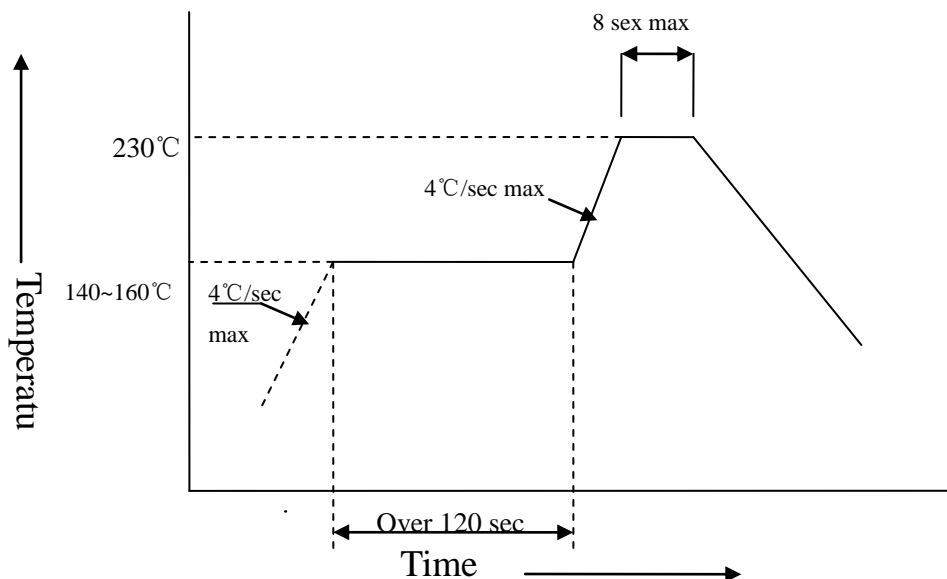
3.The dominant wavelength, λ d is derived from the CIE chromaticity diagram and represents the single wavelength which defines the color of the device.

4.The IV guarantee should be added ±15%.

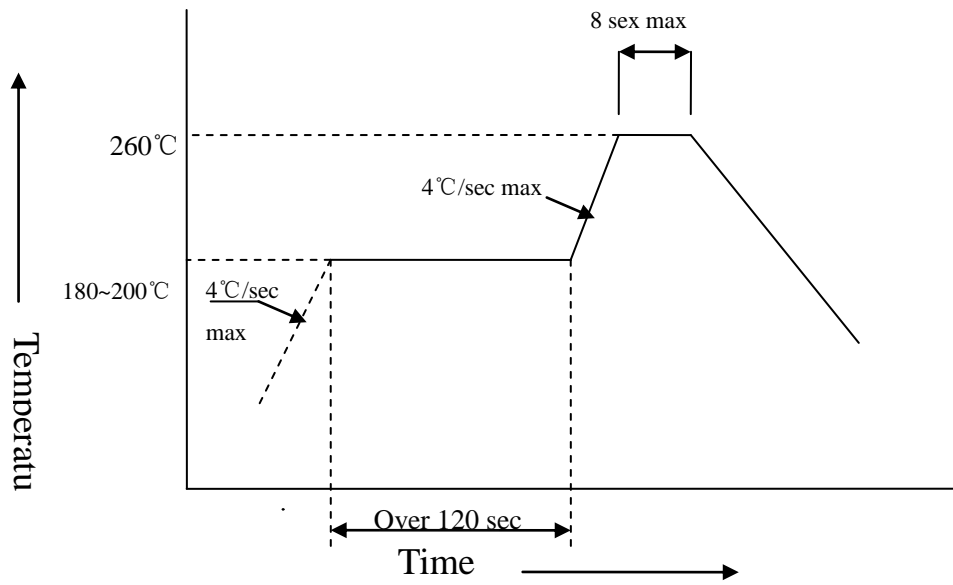
Reflow Soldering Instructions

Number of reflow process shall be less than 2 times and cooling process to normal temperature is required between first and Second soldering process.

1>Lead Solder



2>Lead-Free Solder



Recommended Soldering Patter

<Units:mm>

