

KP-3015P3C WATER CLEAR LENS

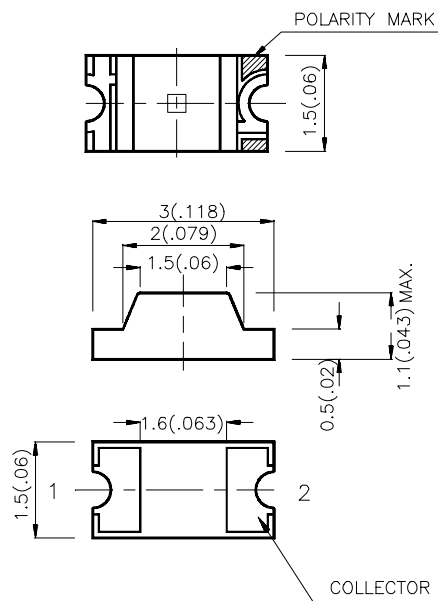
Features

- MECHANICALLY AND SPECTRALLY MATCHED TO THE KP-3015 SERIES INFRARED EMITTING LED LAMP.
- WATER CLEAR LENS.
- PACKAGE :2000PCS/REEL.

Description

Made with NPN silicon phototransistor chips.

Package Dimensions



Notes:

1. All dimensions are in millimeters (inches).
2. Tolerance is $\pm 0.2(0.0079)$ unless otherwise noted.
3. Lead spacing is measured where the lead emerge package.
4. Specifications are subject to change without notice.

Absolute Maximum Rating at $T_A=25^\circ\text{C}$

| Parameter | Max. Ratings |
|---|--|
| Collector-to-Emitter Breakdown Voltage | 30V |
| Emitter-to-Collector Breakdown Voltage | 5V |
| Power Dissipation at (or below) 25°C Free Air Temperature | 100mW |
| Operating Temperature Range | $-40^\circ\text{C} \sim +85^\circ\text{C}$ |
| Storage Temperature Range | $-40^\circ\text{C} \sim +85^\circ\text{C}$ |

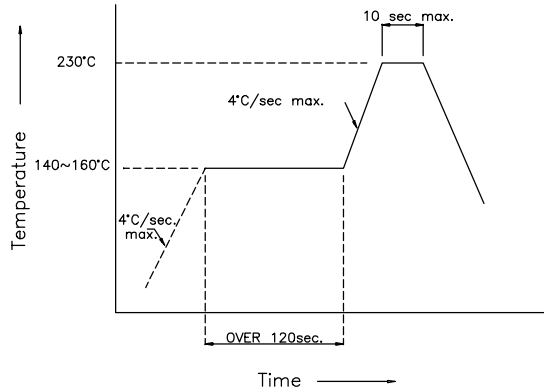
Electrical And Radiant Characteristics at $T_A=25^\circ\text{C}$

| Symbol | Parameter | Min. | Typ. | Max. | Unit | Test Condition |
|----------------|---|------|------|------|------|--|
| $V_{BR_{CEO}}$ | Collector-to-Emitter Breakdown Voltage | 30 | - | - | V | $I_C=100\mu\text{A}$ $E_e=0\text{mW}/\text{cm}^2$ |
| $V_{BR_{ECO}}$ | Emitter-to-Collector Breakdown Voltage | 5 | - | - | V | $I_E=100\mu\text{A}$ $E_e=0\text{mW}/\text{cm}^2$ |
| $V_{CE(SAT)}$ | Collector-to-Emitter Saturation Voltage | - | - | 0.8 | V | $I_C=2\text{mA}$ $E_e=20\text{mW}/\text{cm}^2$ |
| I_{CEO} | Collector Dark Current | - | - | 100 | nA | $V_{CE}=10\text{V}$ $E_e=0\text{mW}/\text{cm}^2$ |
| T_R | Rise Time (10% to 90%) | - | 3 | - | us | $V_{CE}=5\text{V}$ $I_C=1\text{mA}$ $R_L=1000\Omega$ |
| T_F | Fall Time (90% to 10%) | - | 3 | - | us | |
| $I_{(ON)}$ | On State Collector Current | 0.1 | 0.3 | - | mA | $V_{CE}=5\text{V}$ $E_e=1\text{mW}/\text{cm}^2$ $\lambda=940\text{nm}$ |

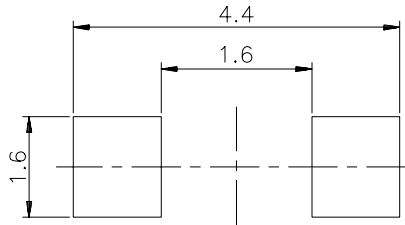
KP-3015P3C

SMT 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.



Recommended Soldering Pattern (Units : mm)



Tape Specifications (Units : mm)

