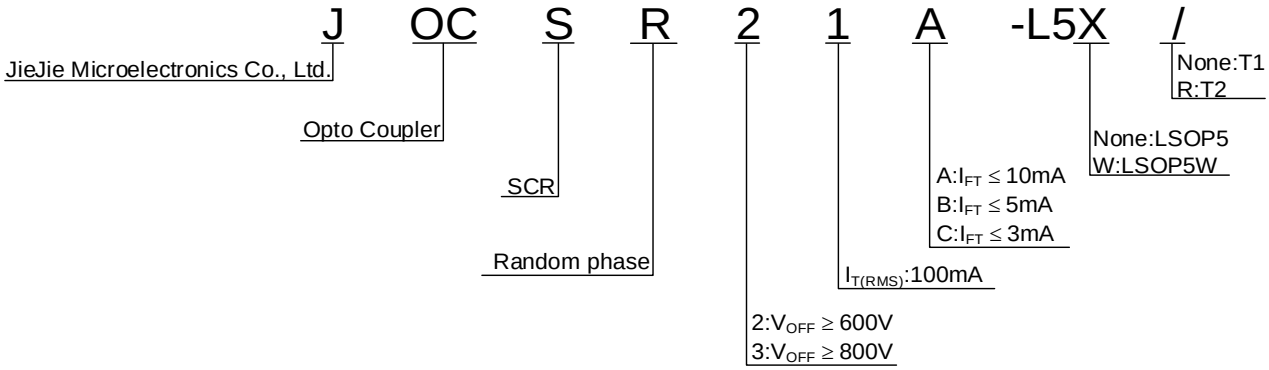
| | | | |
|---|---|---|---|
| Operating Temperature | $T_{opr}$ | -55~110 | |
| Junction Temperature | $T_j$ | 125 | |
| Storage Temperature | $T_{stg}$ | -55~125 | |
| Soldering Temperature | $T_{sol}$ | 260 | |
| Peak pulse voltage ($T_j$=25 ; non-repetitive,off-state) | $V_{pp}$ | 1 | kV |

## ORDERING INFORMATION




| Packing Quantity | | | |
|---|---|---|---|
| **Option** | **Quantity** | **Quantity – Inner box** | **Quantity –Outer box** |
| LSOP5 | 3000 Units/Reel | 2 Reels/Inner box | 5 Inner box/Outer box =30k Units |

## MARKING



## Characteristics Curves

**FIG.1:** Max. Allowable LED Forward Current vs. Ambient Temperature

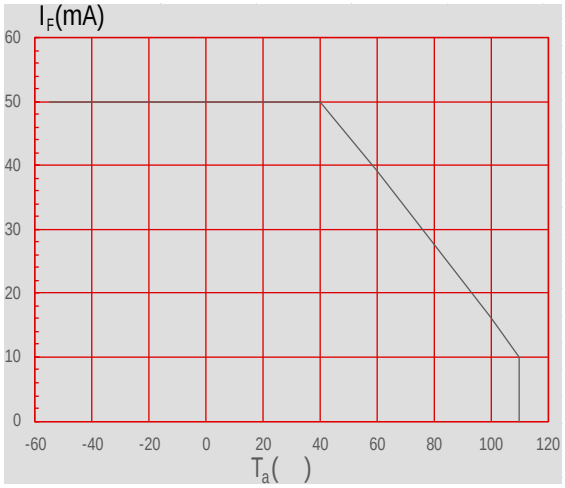



**FIG.2:** On-state Terminal Current vs. Ambient Temperature

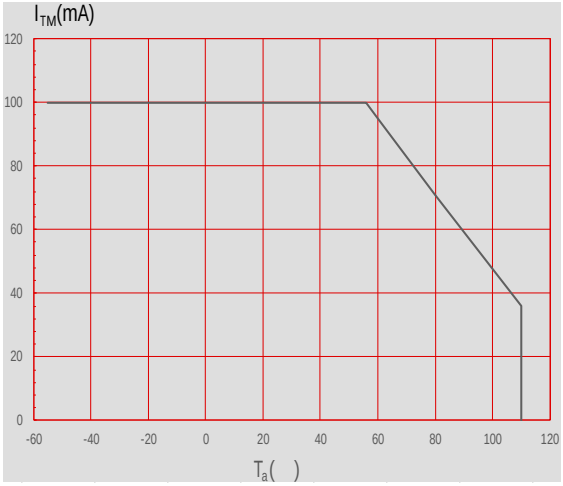



**FIG.3:**

**FIG.7:** Normalized On-state Terminal Voltage vs. Ambient Temperature

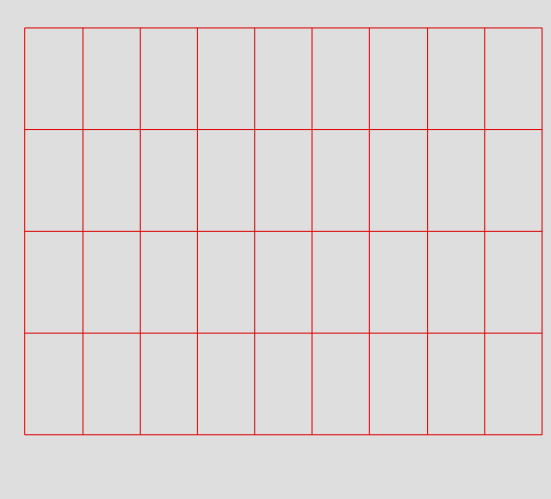
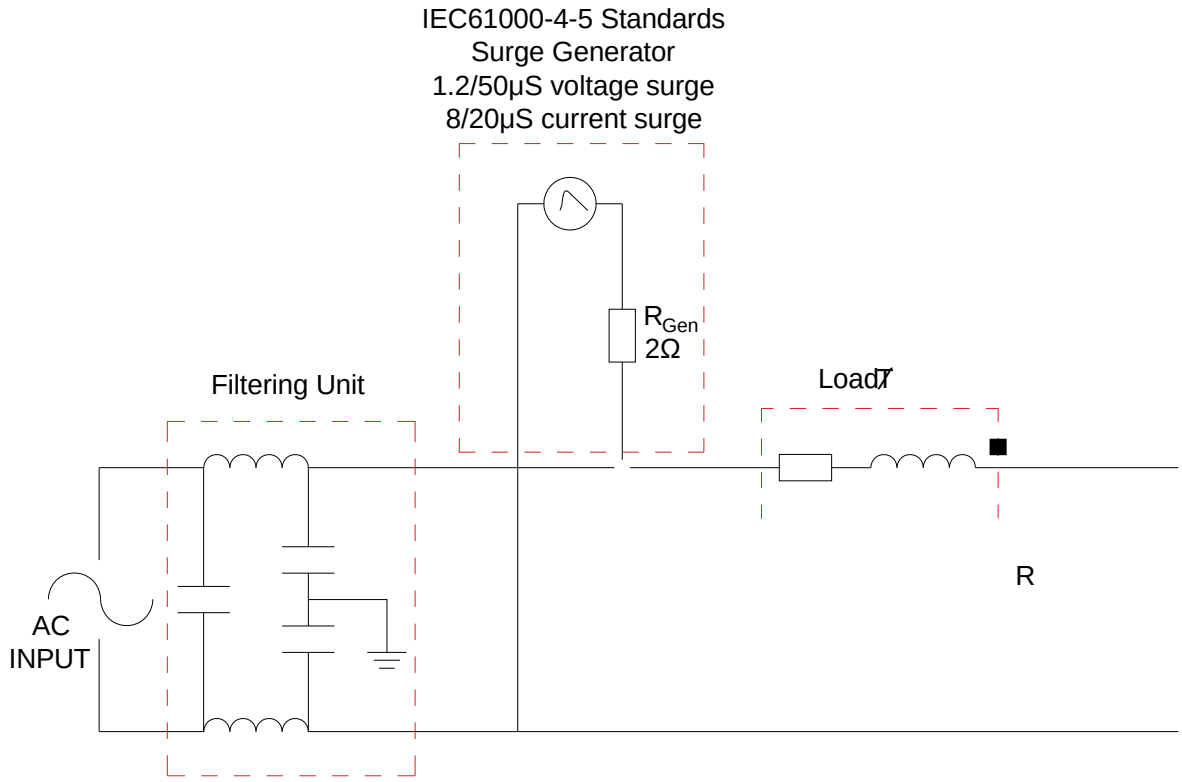


**FIG.8:** On-state Terminal Voltage vs. On-state Terminal Current

**FIG.16:** Test circuit for inductive and resistive loads to IEC-61000-4-5 standards



## Package Dimension (Unit: mm)

## RECOMMENDED SOLDER MASK (Dimensions in mm unless otherwise stated)

## LSOP5

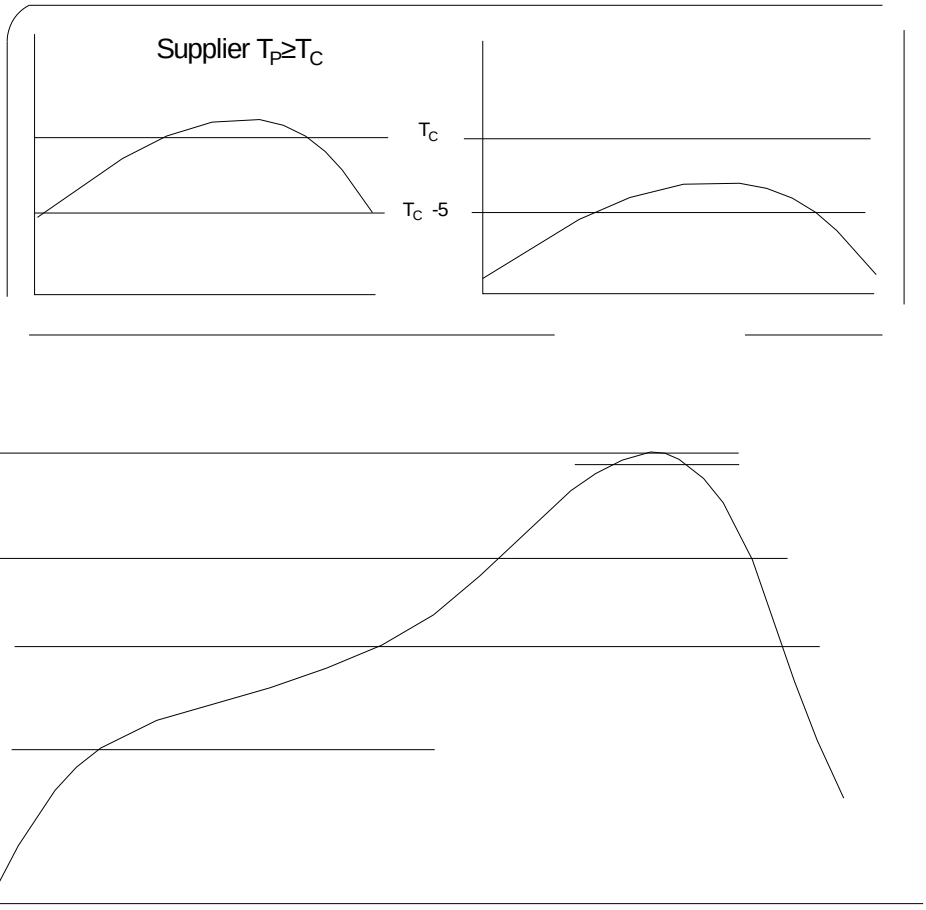


## CARRIER TAPE SPECIFICATIONS (Dimensions in mm unless otherwise stated)

## Option None

| Ref. | Dimensions | | | | | |
|---|---|---|---|---|---|---|
| | Millimeters | | | Inches | | |
| | Min. | Typ. | Max. | Min. | Typ. | Max. |
| D0 | | | | | | |
| P0 | 3.90 | | | | | |
| P1 | | | | | | |
| E | 1.65 | | | | | |
| T | | | | | | |

## REFLOW INFORMATION



Note:

1. Reflow soldering is recommended at the temperatures and times shown, no more than three times.

2. Avoid direct contact between the epoxy body and any tools or surfaces exceeding its maximum storage temperature.

3. Application of pressure on the epoxy body is prohibited at elevated temperatures. In specific scenarios, any applied force must not exceed 2.5N.

4. Ensure the component has cooled to ambient temperature before proceeding with any subsequent manufacturing steps.

5. The component has a shelf life of one year when stored under standard conditions.

6. Recommend storage Temp.: 0~40°C;

Recommend storage humidity: <60%;

MSL level: MSL 1

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