# SSL210F

Rev.A Oct.-2023

蓝箭电子 BLUE ROCKET ELECTRONICS

**DATA SHEET**

## / Descriptions

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Surface Mount Schottky Barrier Rectifier, Reverse Voltage 100V, Forward Current:2.0A ,SMAF thin package.

## / Features

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Low power loss, high efficiency, High forward surge current capability, For use in low voltage, high frequency inverters, and polarity protection applications,For surface mounted applications,HF Product.

## / Applications

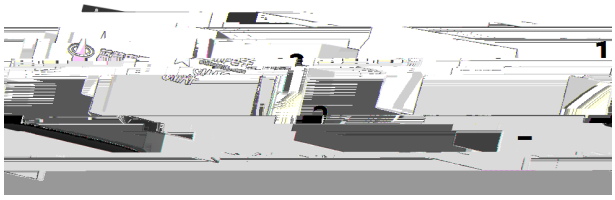
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General purpose.

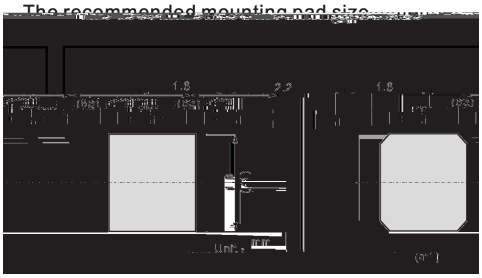
## / Equivalent Circuit



## / Pinning



| PIN | DESCRIPTION |
|---|---|
| 1 | Cathode |
| 2 | Anode |



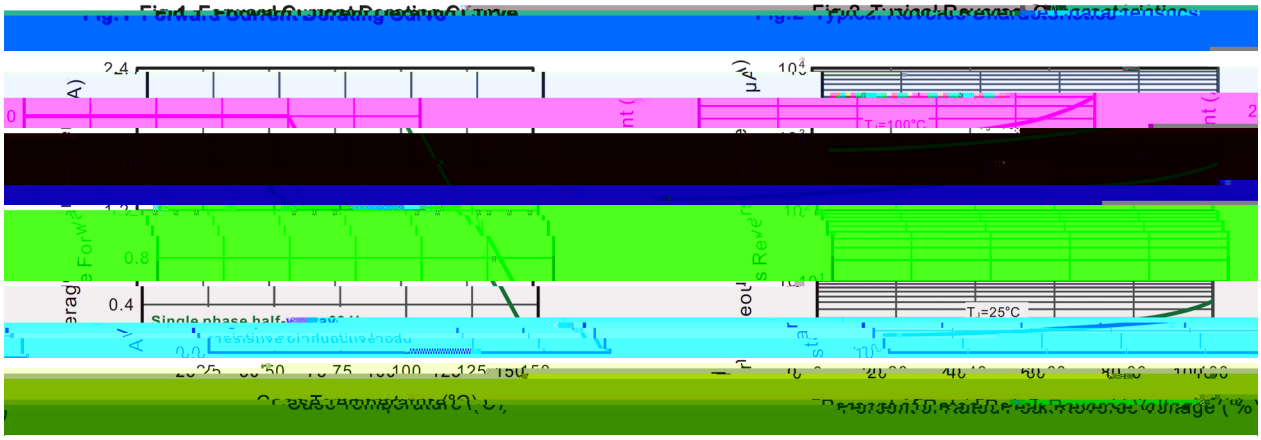

## / Marking

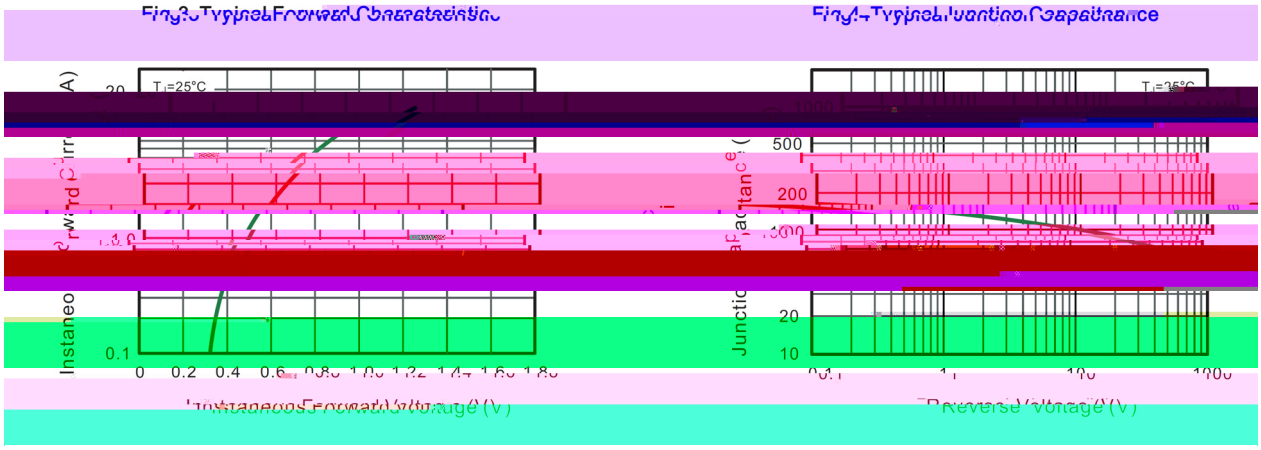
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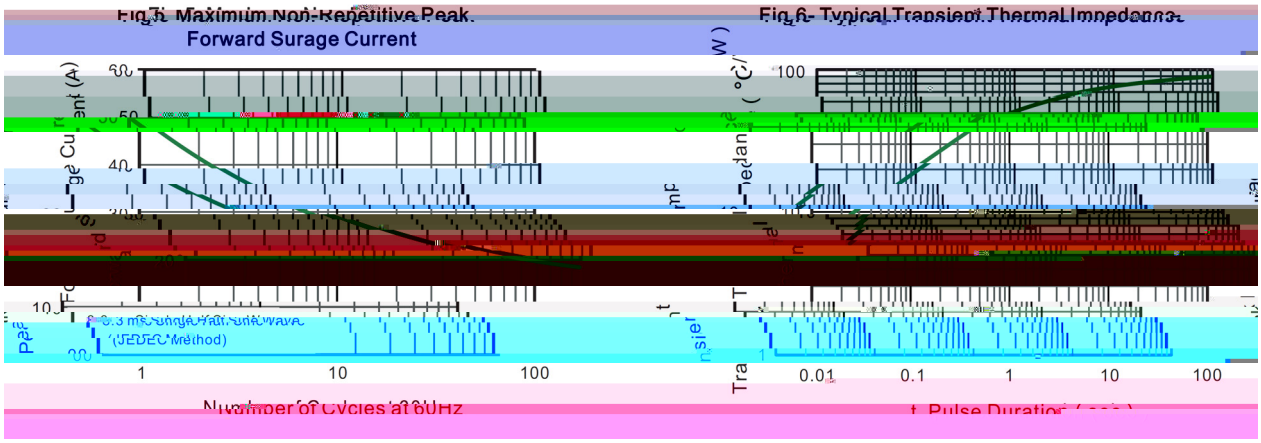
See Marking Instructions.

| v ¨Ω<br>Parameter | ϒ N<br>Symbol | ¨Ω Ö<br>Rating | D Ђ<br>Unit |
|---|---|---|---|
| Maximum Repetitive Peak Reverse Voltage | $V_{RRM}$ | 100 | V |
| Maximum RMS voltage | $V_{RMS}$ | 70 | V |

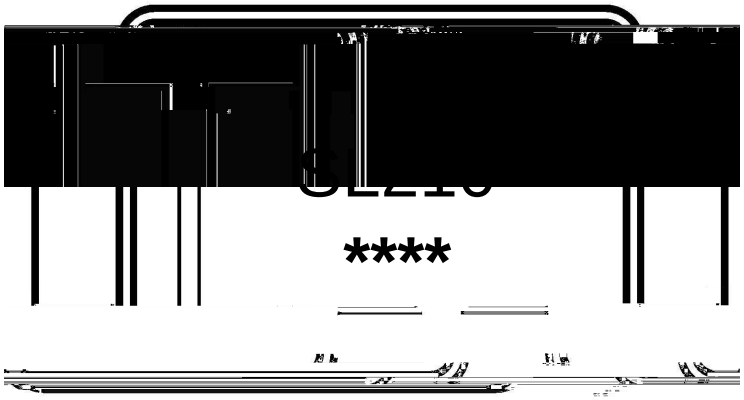
## / Electrical Characteristic Curve







## / Marking Instructions




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V0543 χ ᄒᄌ ᄀ ᄀᄇ

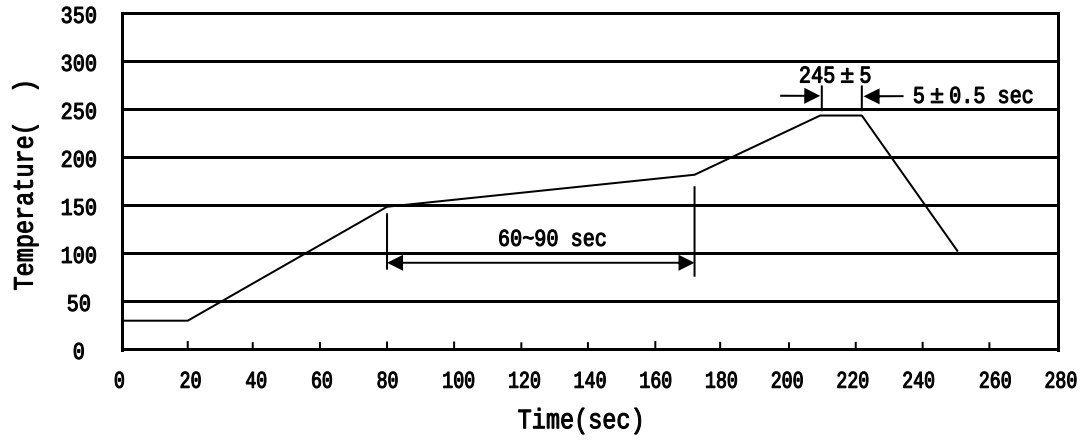
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Note:

V0543 χ Product Type Code

**** χ Lot No. Code, code change with Lot No

## ( ) / Temperature Profile for IR Reflow Soldering(Pb-Free)




ب ˝ χ

1 Ĺ ♬ □ ỷ 150 Ḱ 180 ł ı `H ڑ 60 Ḱ 90sec;

2 Š Ë □ ỷ 245 ° 5 ł ı `H ڑ `Y ﾊ ㎞ 5 ° 0.5sec;

3 ì ˙ ﾘ ˛ ↄ ♭ ỷ ㎞ 2 Ḱ 10 ł /sec.

Note:

1.Preheating:150~180 ł , Time:60~90sec.

2.Peak Temp.:245 ° 5 ł , Duration:5 ° 0.5sec.

3. Cooling Speed: 2~10 ł /sec.

## / Resistance to Soldering Heat Test Conditions

□ ỷ χ 260 ° 5 ł `H ڑ χ 10 ° 1 sec. Temp.:260 ° 5 ł Time:10 ° 1 sec

## / Packaging SPEC.

ↄ ` ﾔ Ł / REEL

| Package Type | Units | | | | | Dimension | | (unit mm³) |
|---|---|---|---|---|---|---|---|---|
| | Units/Reel / | Reels/Inner Box / | Units/Inner Box / | Inner Boxes/Outer Box / | Units/Outer Box / | Reel | Inner Box | Outer Box |
| SMAF | 3,000 | 5 | 15,000 | 6 | 90,000 | 7 ρ ×12 | 185×180×105 | 390×385×205 |

## / Notices