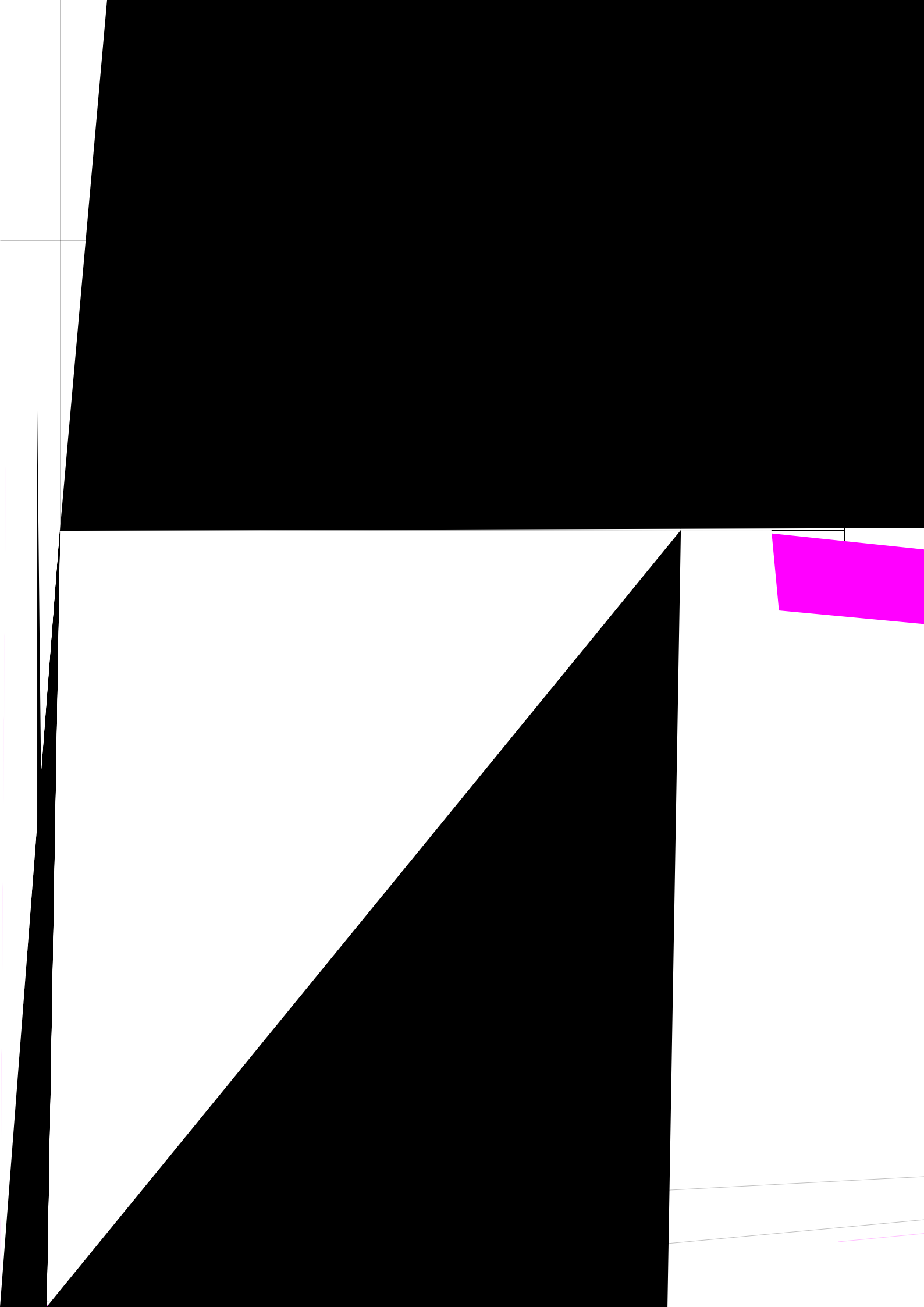




## / Descriptions

### SMBF

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

## / Features

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.Halogen free product.

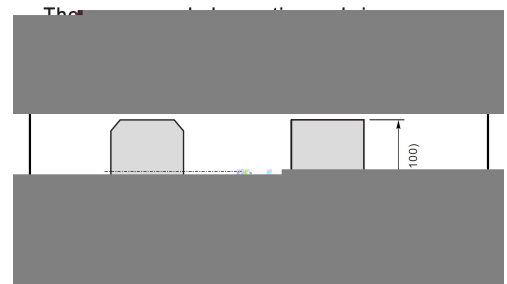
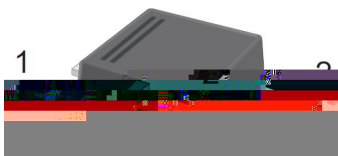
## / Applications

General purpose.

## / Equivalent Circuit



## / Pinning



## / Marking

See Marking Instructions.



/ Electrical Characteristic Curve

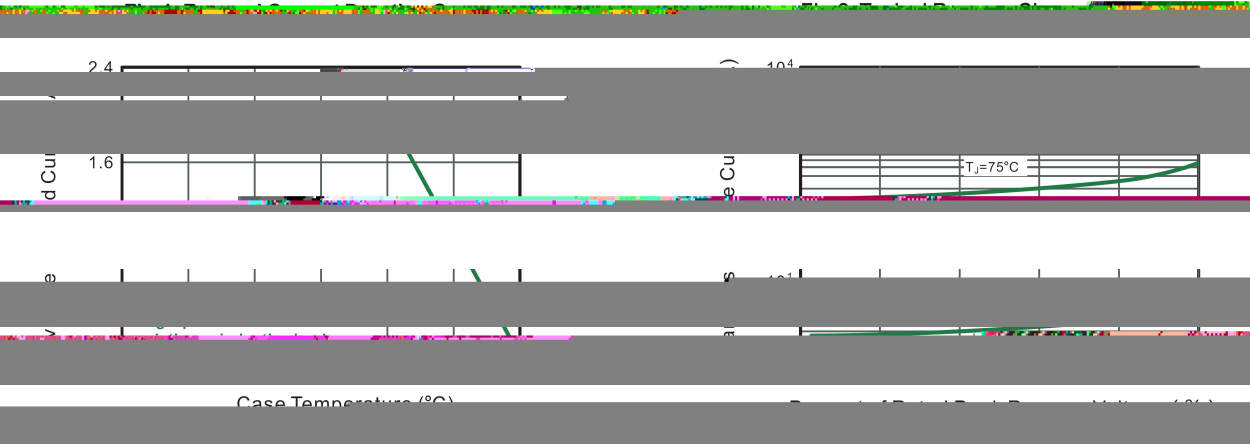


Fig.2- Typical Forward Characteristic

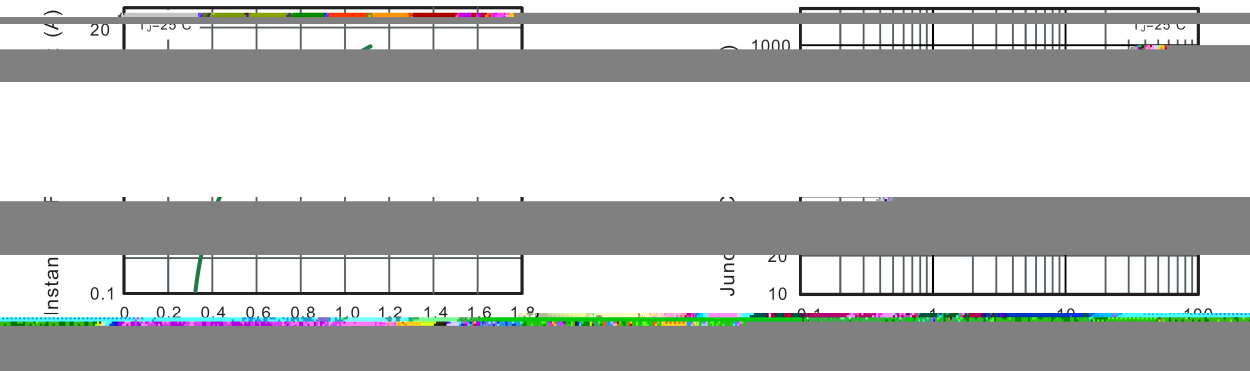
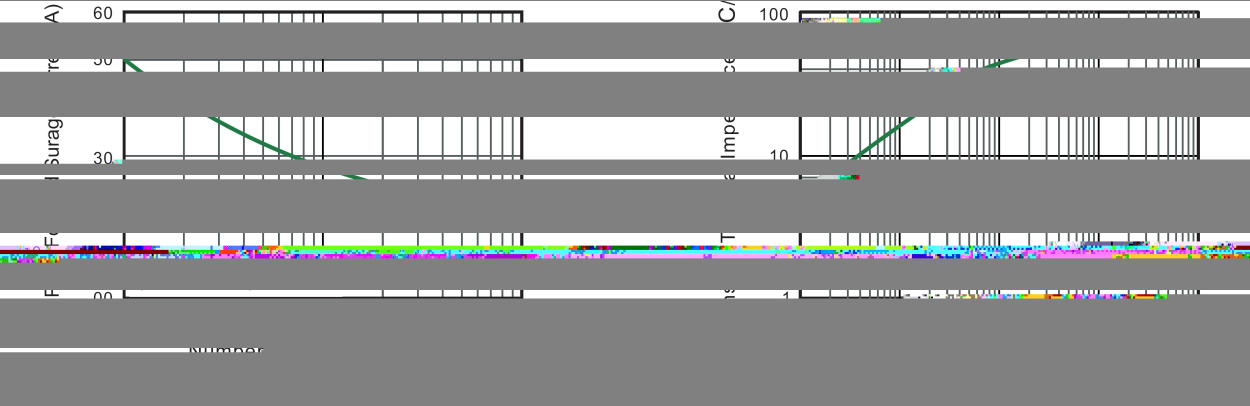


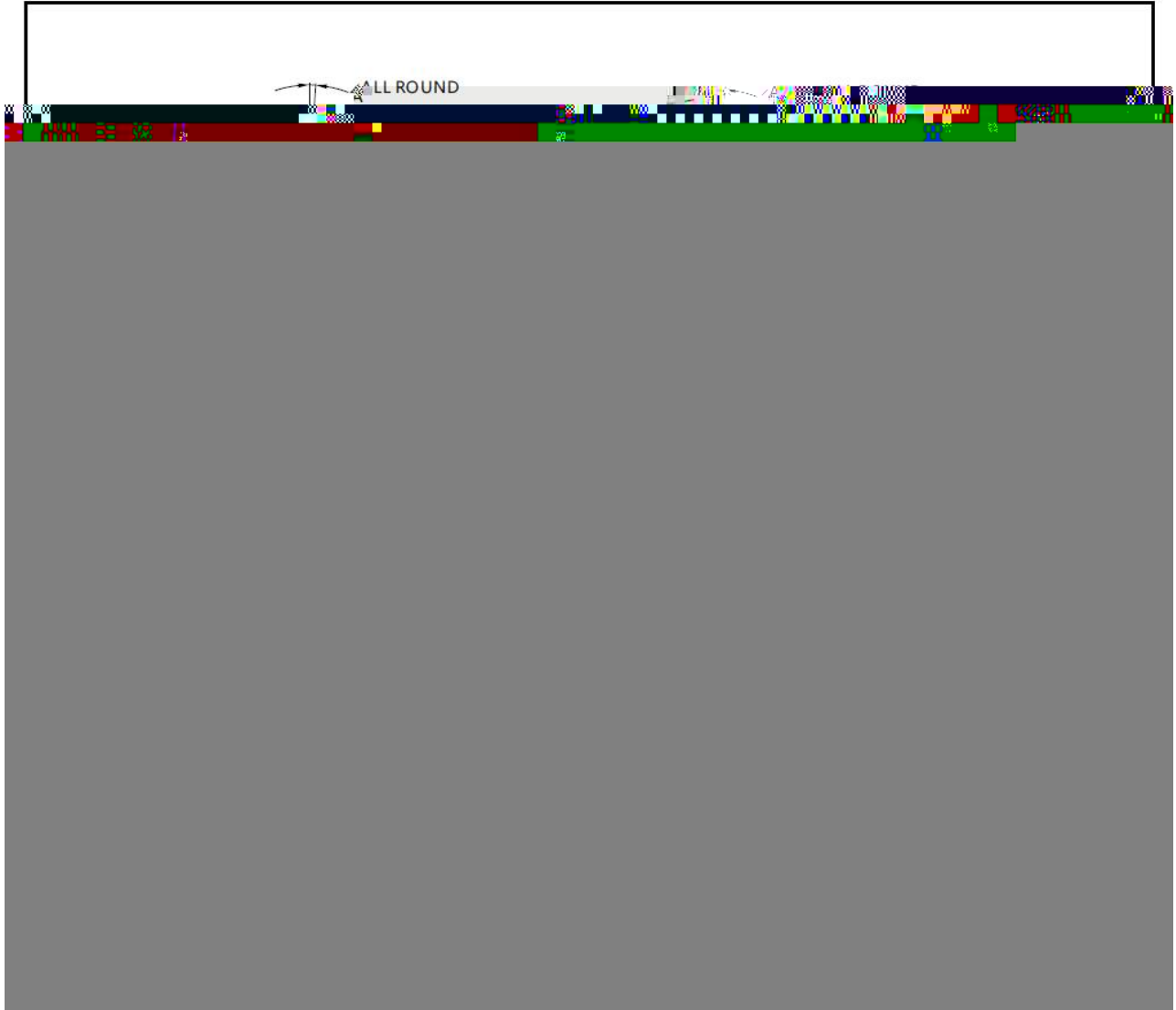
Fig.5- Maximum Non-Repetitive Peak

Fig.6- Typical Transient Thermal Impedance

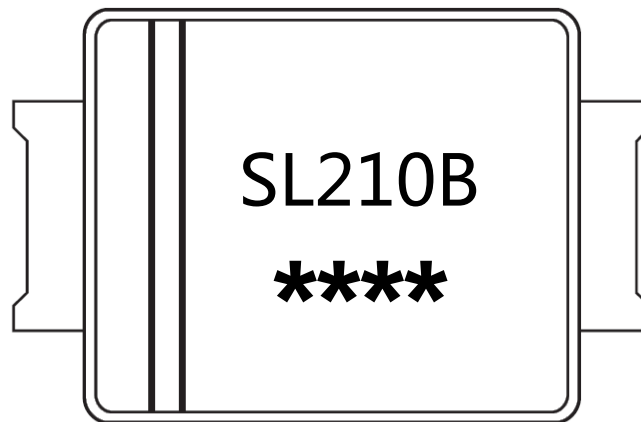


**/ Package Dimensions**

**SMBF**



**/ Marking Instructions**



SL210B

\*\*\*\*

1 \*

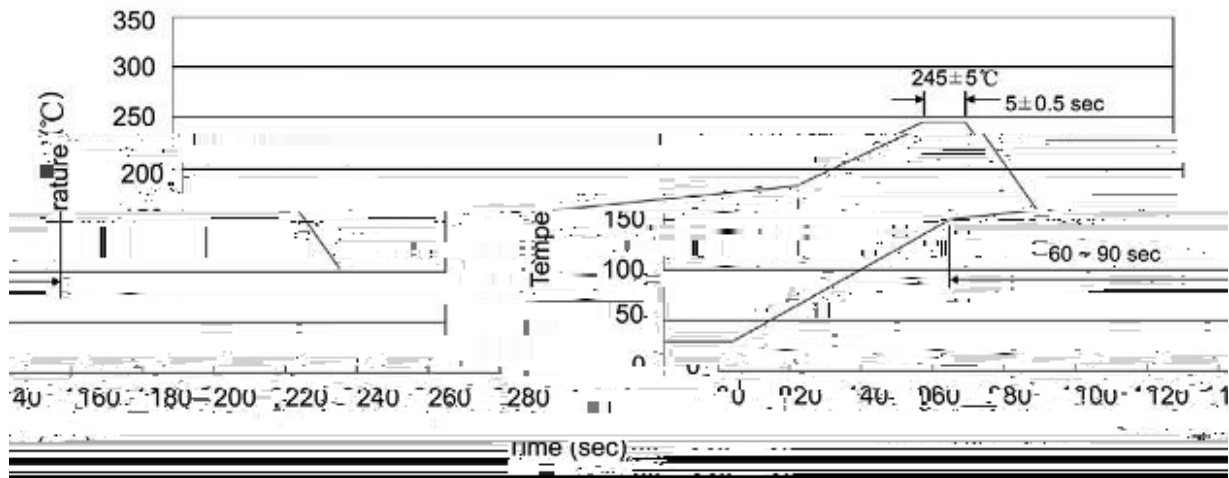
3 \*

Note:

SL210B      Product Type Code

\*\*\*\*      Lot No. Code    The 1st \* means:YM Code    The last 3 \* means:little Lot No  
Code

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



Note:

- |   |     |     |    |         |                                         |
|---|-----|-----|----|---------|-----------------------------------------|
| 1 | 150 | 180 | 60 | 90sec;  | 1.Preheating:150~180 , Time:60~90sec.   |
| 2 | 245 | 5   | 5  | 0.5sec; | 2.Peak Temp.:245 5 , Duration:5 0.5sec. |
| 3 |     | 2   | 10 | /sec.   | 3. Cooling Speed: 2~10 /sec.            |

**/ Resistance to Soldering Heat Test Conditions**

260 5                      10 1 sec.                      Temp.:260 5                      Time:10 1 sec

**/ Packaging SPEC.**

/ REEL

| Package Type<br>封装形式 | Units 包装数量         |                         |                        |                              |                        | Dimension 包装尺寸 (unit: mm <sup>3</sup> ) |             |             |
|----------------------|--------------------|-------------------------|------------------------|------------------------------|------------------------|-----------------------------------------|-------------|-------------|
|                      | Units/Reel<br>只/卷盘 | Reels/Inner Box<br>卷盘/盒 | Units/Inner Box<br>只/盒 | Inner Boxes/Outer Box<br>盒/箱 | Units/Outer Box<br>只/箱 | Reel                                    | Inner Box 盒 | Outer Box 箱 |
| SMBF                 | 5000               | 2                       | 10000                  | 5                            | 50000                  | 13" ×12                                 | 336X332X40  | 380X335X366 |

**/ Notices**