

**/ Revised record**

| A | 2020-8-15 |  |  |  |  |
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## / Descriptions

100V      2.0A      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.

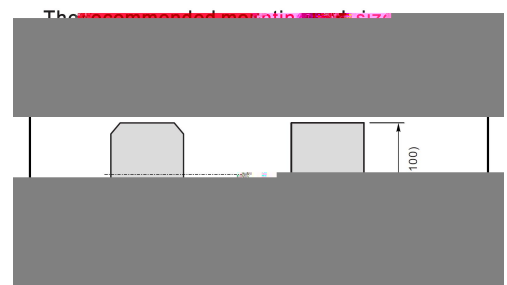
## / Applications

General purpose.

## / Equivalent Circuit



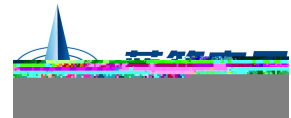
## / Pinning



## / Marking

See Marking Instructions.





## / Electrical Characteristic Curve

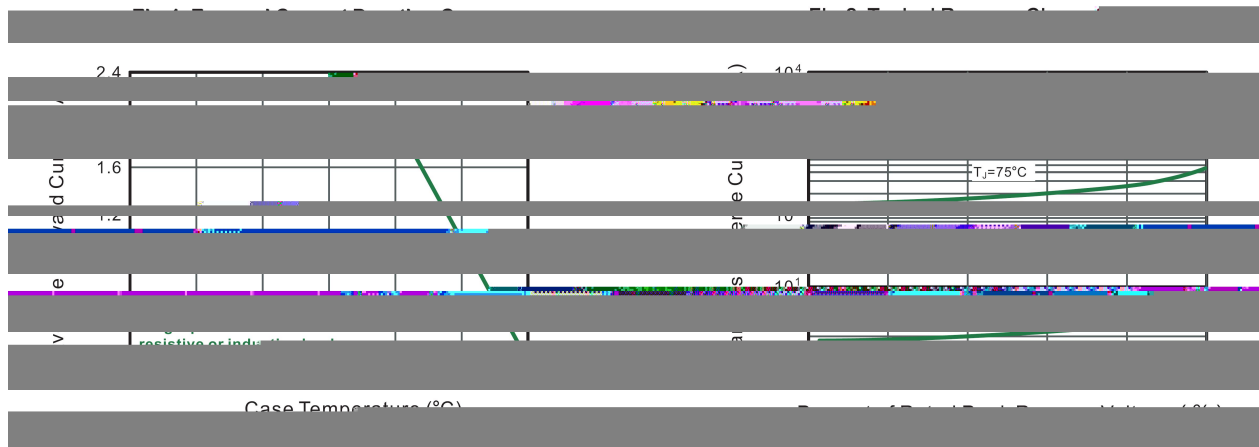


Fig.2 Typical Forward Characteristic

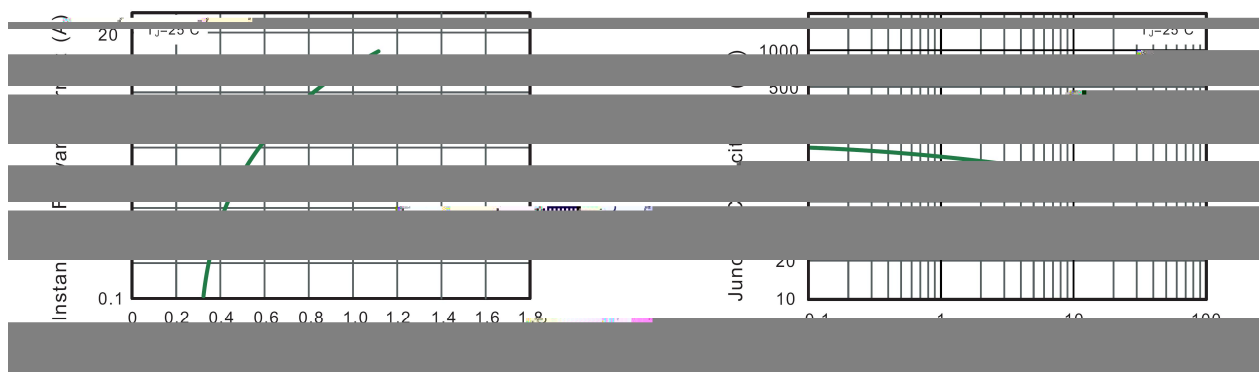


Fig.5 Maximum Non-Repetitive Peak

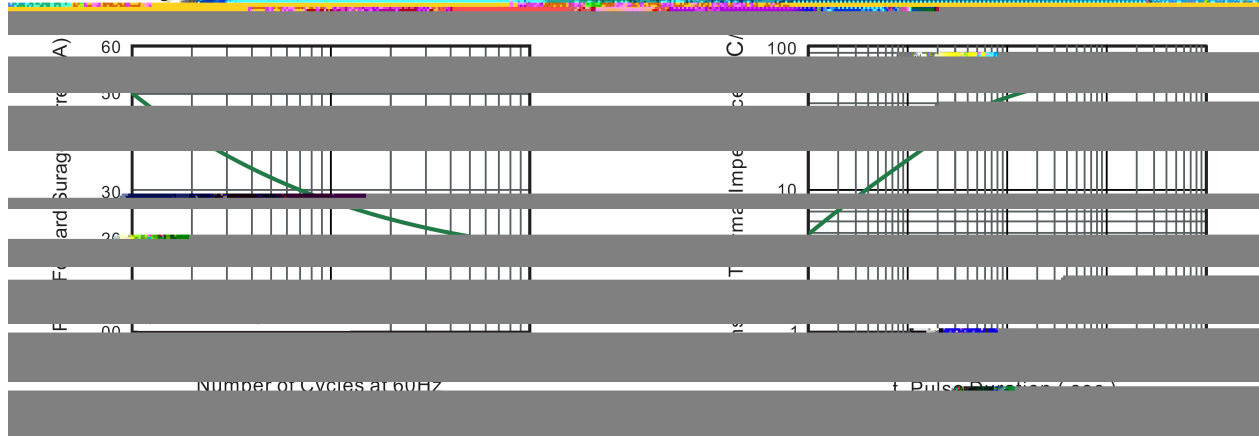
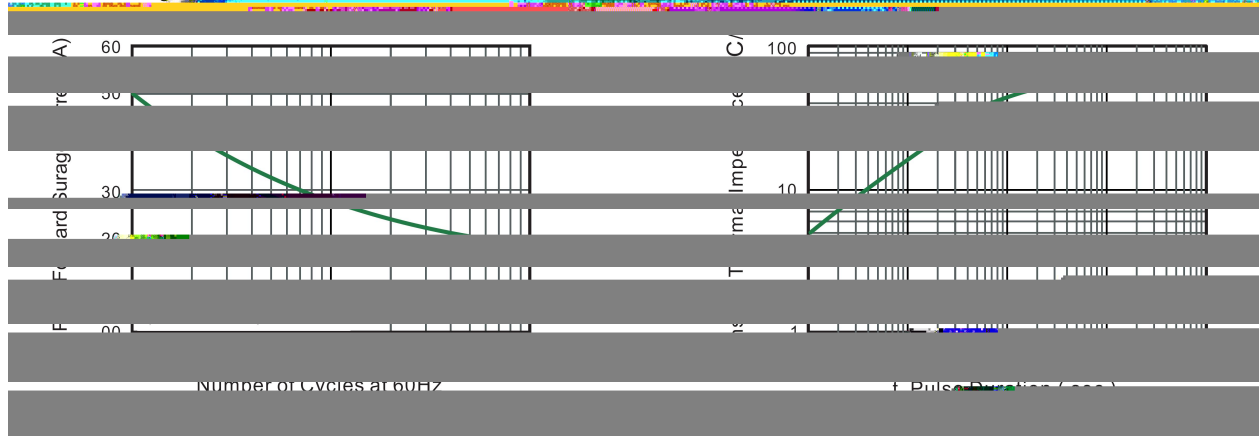
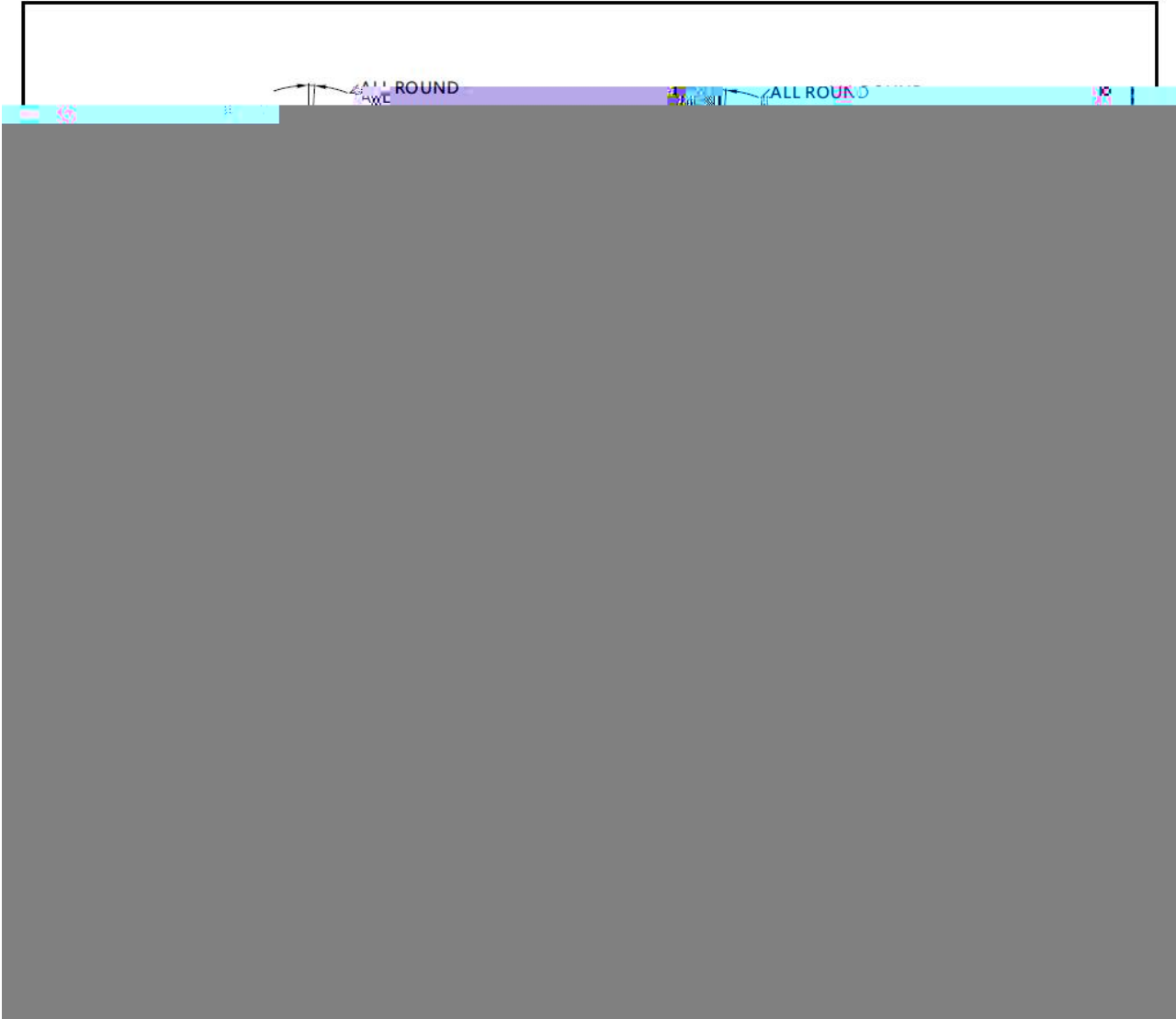


Fig.6- Typical Transient Thermal Impedance

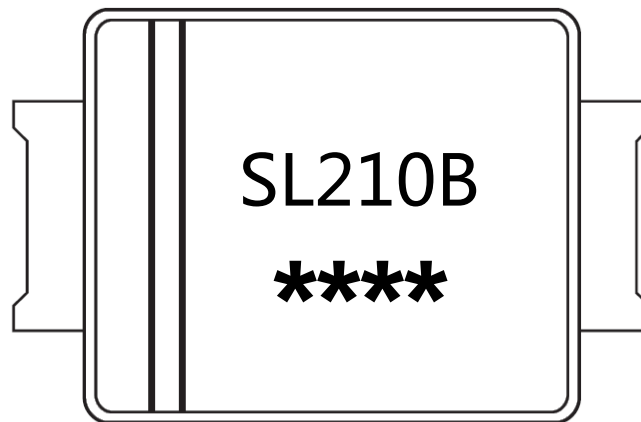


/ Package Dimensions

SMBF



**/ Marking Instructions**



SL210B

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1 \*

3 \*

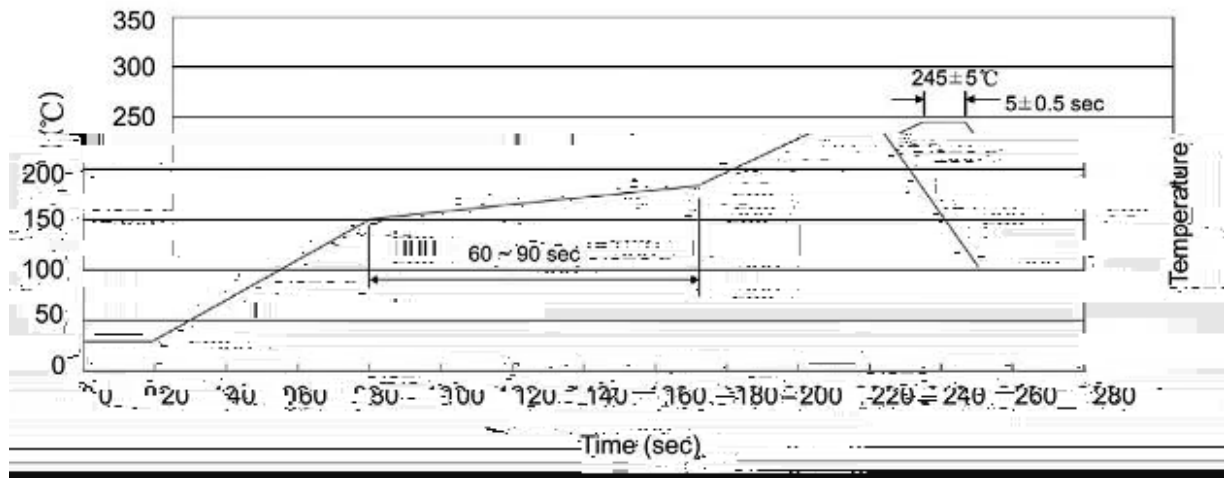
Note:

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