

/ Revised record

A	2020-8-15				

/ Descriptions

100V 3.0A SMBF

Surface Mount Schottky Barrier Rectifier, Reverse Voltage:100V,Forward Current:3.0A,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.

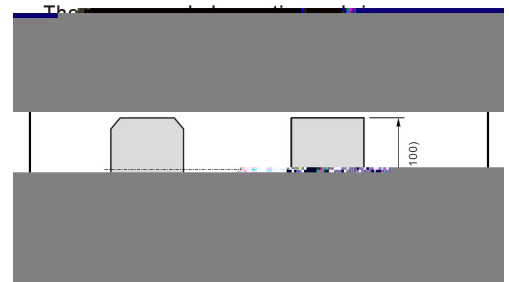
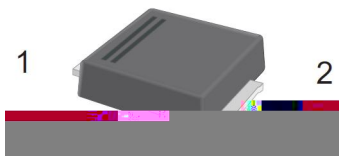
/ Applications

General purpose.

/ Equivalent Circuit

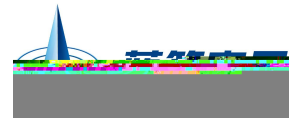


/ Pinning



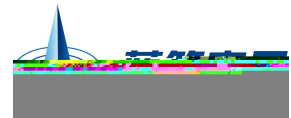
/ Marking

See Marking Instructions.



Note:

1) Mea



/ Electrical Characteristic Curve

Fig.1 Typical Reverse Characteristic Curve Fig.2 Typical Forward Characteristic Curve Fig.3 Typical Junction Capacitance

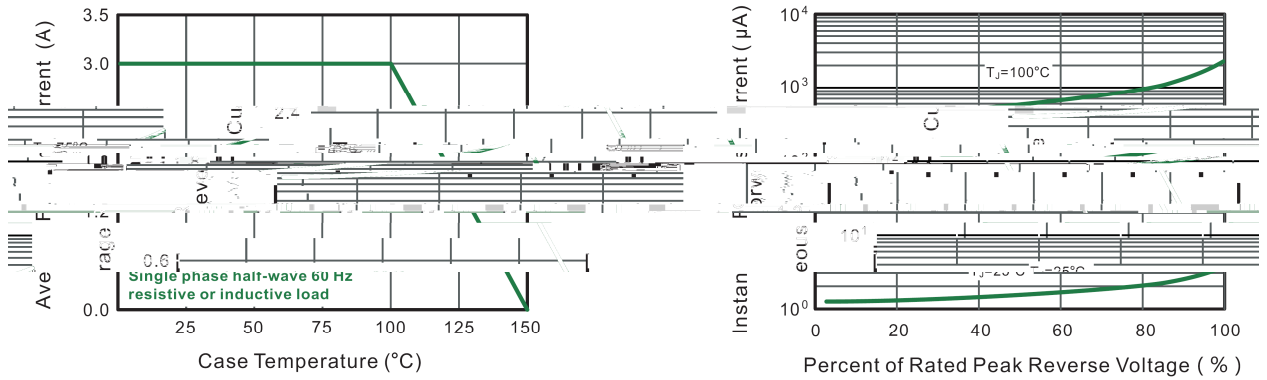


Fig.3 Typical Forward Characteristic Curve Fig.4 Typical Junction Capacitance

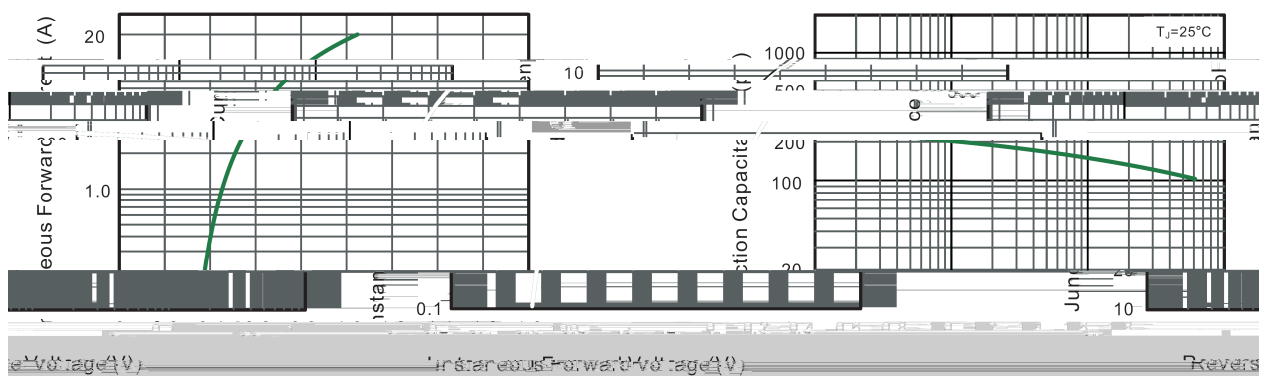
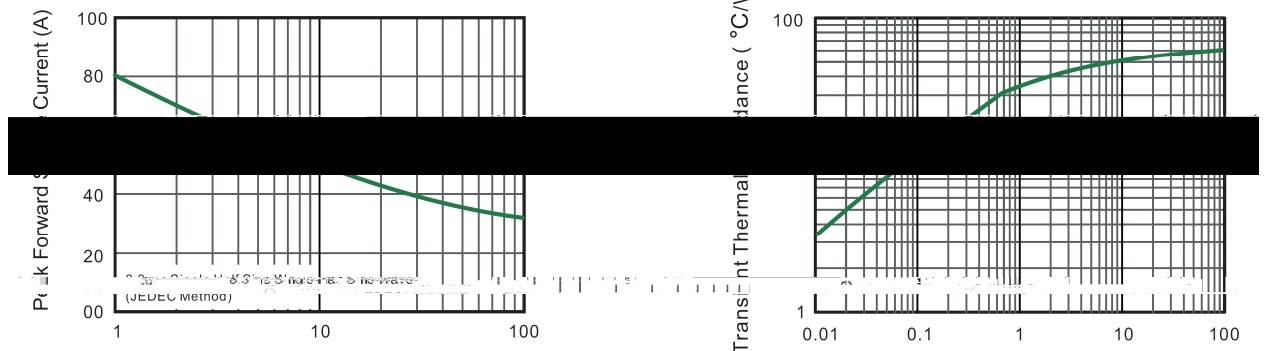
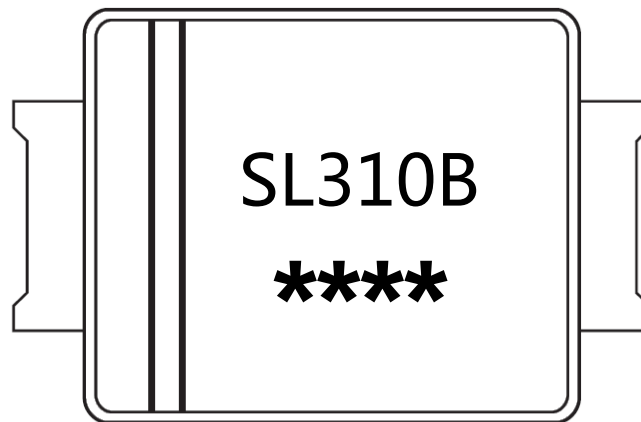


Fig.5 Typical Forward Surge Current Fig.6 Typical Transient Thermal Resistance



/ Marking Instructions



SL310B

1 *

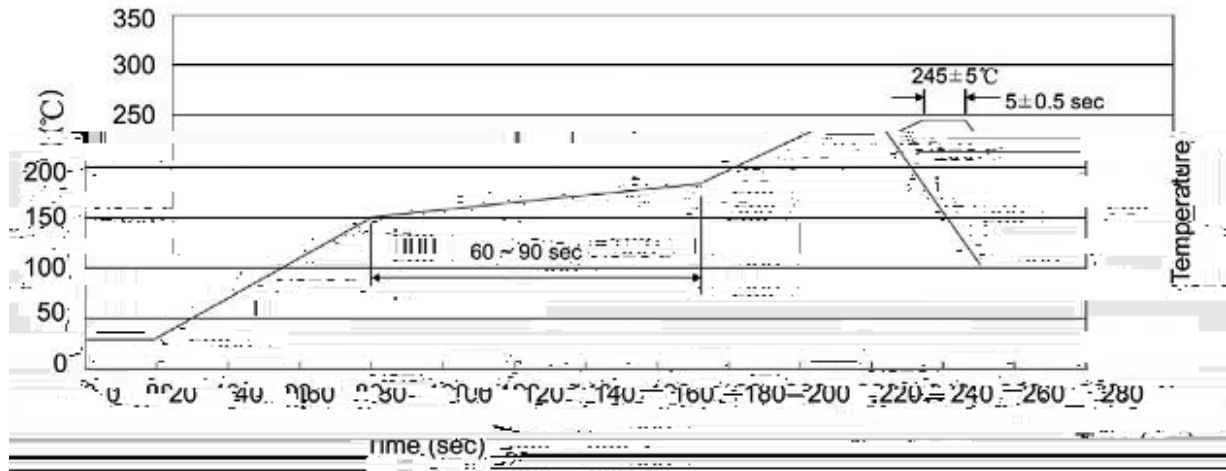
3 *

Note:

SL310B 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	Units					Dimension (unit mm ³)		
	Units/Reel 只/卷盘	Reels/Inner Box 卷盘/盒	Units/Inner Box 只/盒	Inner Boxes/Outer Box 盒/箱	Units/Outer Box 只/箱	Reel	Inner Box	Outer Box
SMBF	5000	2	10000	5	50000	13" ×12	336X332X40	380X335X366

/ **Notices**