

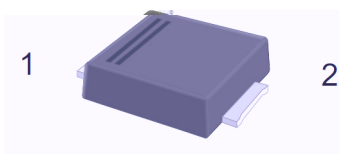
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20V~200V 3.0A SMBF

Surface Mount Schottky Barrier Rectifier, Reverse Voltage: 20 to 200V, Forward Current: 3.0A, SMBF thin package.

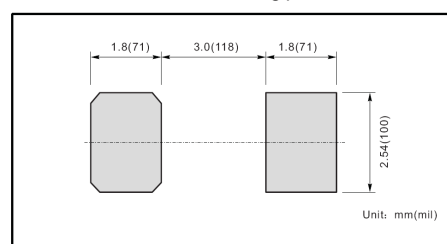
Low power loss, high efficiency, High forward surge current capability, For use in low voltage, high frequency inverters, and polarity protection applications, For surface mounted applications. Halogen free product.

General purpose.



PIN	DESCRIPTION
1	Cathode
2	Anode

The recommended mounting pad size



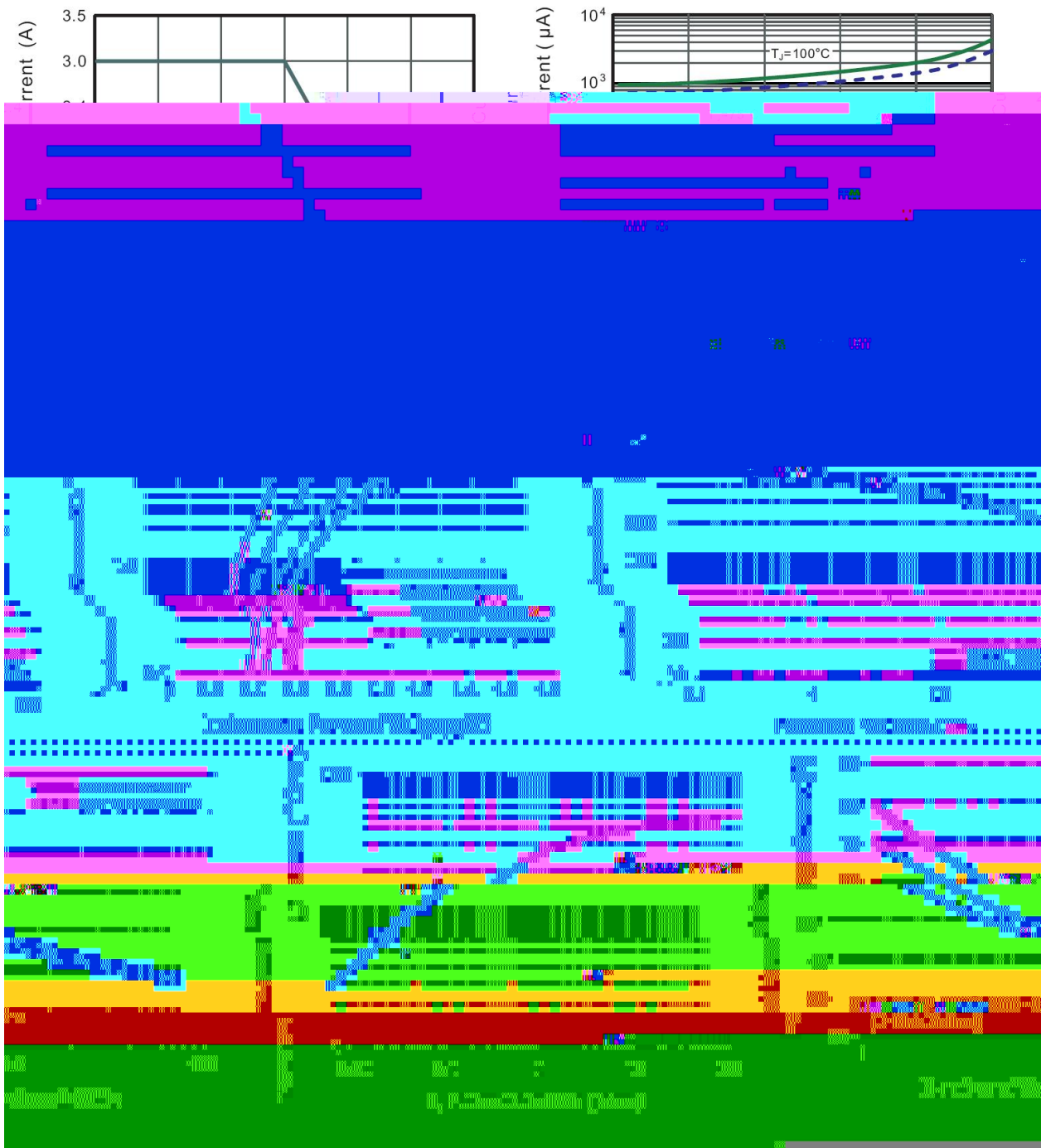
See Marking Instructions.

Parameter	Symbol	Rating								Unit
		SS32BF	SS34BF	SS36BF	SS38BF	SS310BF	SS312BF	SS315BF	SS320BF	
Maximum Repetitive Peak Reverse Voltage	V _{RRM}	20	40	60	80	100	120	150	200	V
Maximum RMS voltage	V _{RMS}	14	28	42	56	70	84	105	140	V
Maximum DC Blocking Voltage	V _{DC}	20	40	60	80	100	120	150	200	V
Maximum Average Forward Rectified Current	I _{F (AV)}	3.0								A
Peak Forward Surge Current,8.3ms Single Half Sine-wave Superimposed on Rated Load (JEDEC method)	I _{FSM}	80				70				A
Typical Junction Capacitance ¹⁾	C _j	450			400					pF
Typical Thermal Resistance ²⁾	R _{θJA}	50								/W
Operating Junction Temperature Range	T _j	-55~+125								
Storage Temperature Range	T _{stg}	-55~+150								

Note:

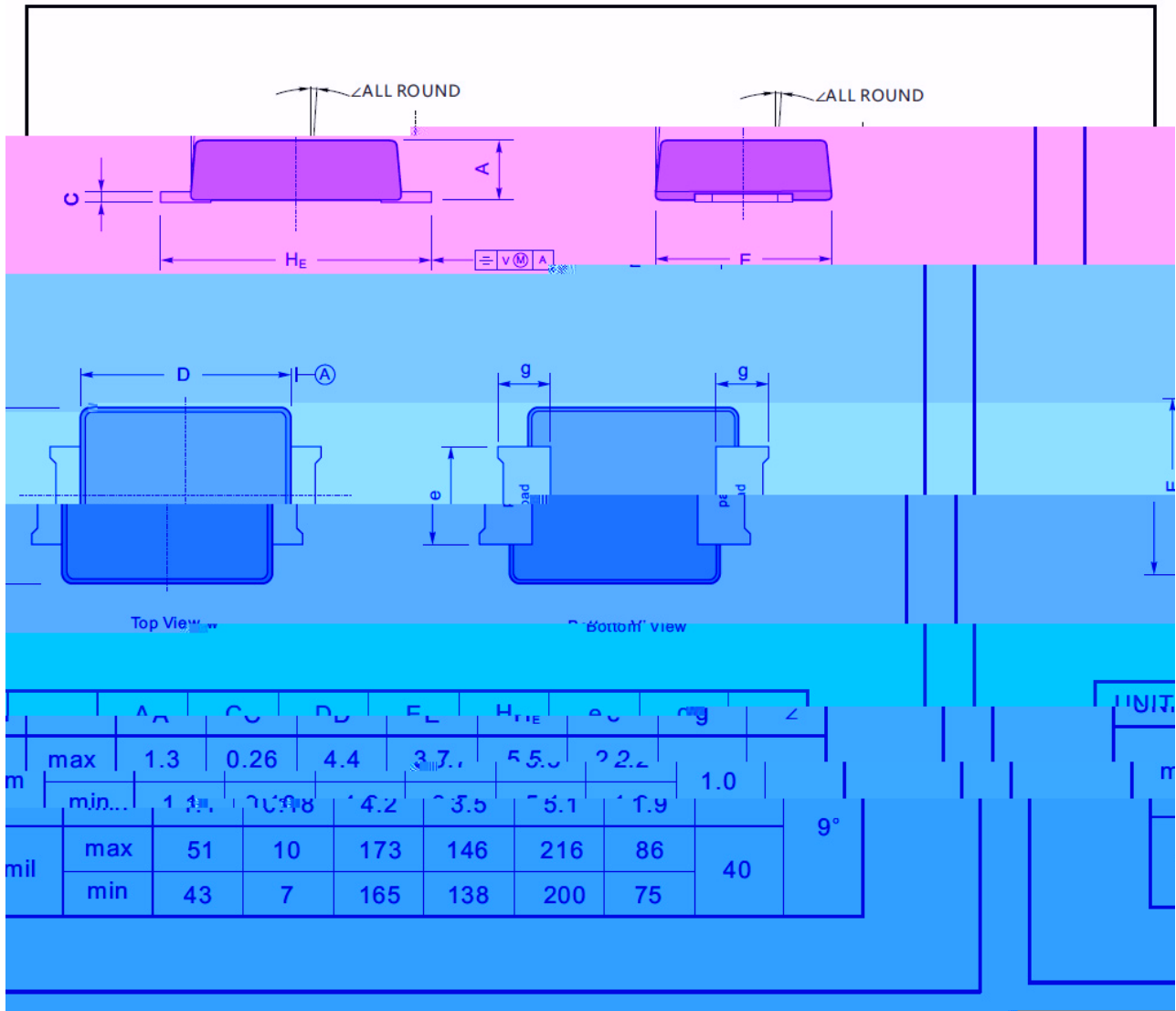
- 1 Measured at 1MHz and applied reverse voltage of 4 V D.C.
- 2 P.C.B. mounted with 0.5 X 0.5" (12.7 X 12.7 mm) copper pad areas.

Parameter	Symbol	Test condition	Rating								Unit
			SS32BF	SS34BF	SS36BF	SS38BF	SS310BF	SS312BF	SS315BF	SS320BF	
Max Instantaneous Forward Voltage	V _F	I _F =3.0A	0.55		0.70		0.85		0.95		v
Maximum DC Reverse Current at Rated DC Reverse Voltage	I _R	T _a =25℃	0.5			0.3					mA
		T _a =100℃	5.0			3.0					



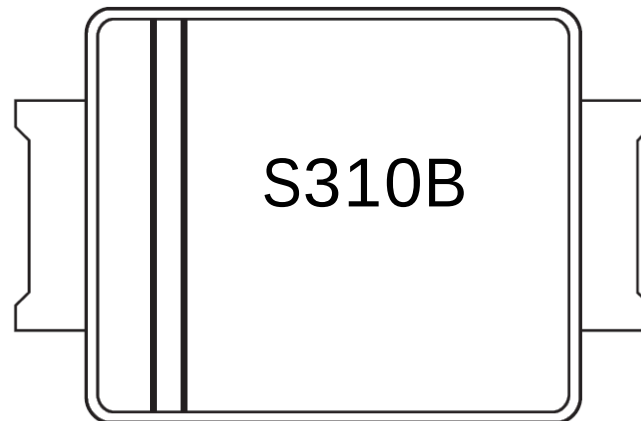
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SMBF



Marking

Type number	Marking code
SS32BF	S32B
SS34BF	S34B
SS36BF	S36B
SS38BF	S38B
SS310BF	S310B
SS312BF	S312B
SS315BF	S315B
SS320BF	S320B



S310B

1 *

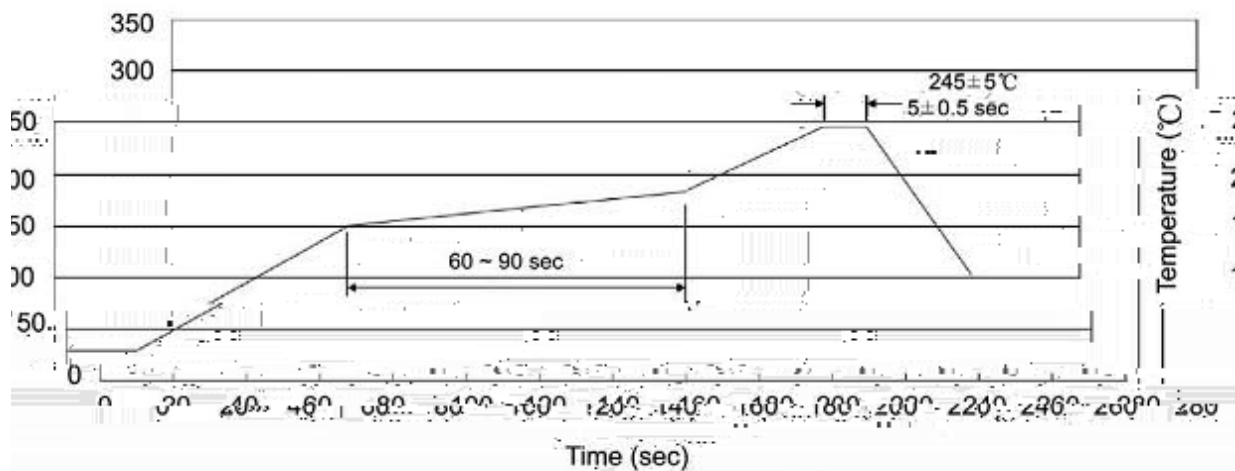
3 *

Note:

S310B Product Type Code

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

Rev.E May.-2019



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. |

260±5	10±1 sec.	Temp.:260±5	Time:10±1 sec
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/ REEL

Package Type	Units					Dimension (unit mm ³)		
SMBF	5000	2	10000	5	50000	13" ×15	336X332X40	380X335X366