

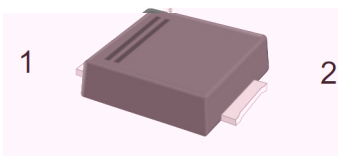
Rev.C May.-2019

45V      5.0A      SMBF

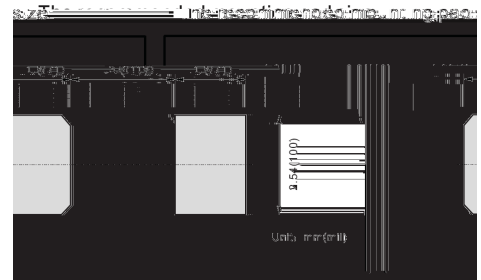
Surface Mount Schottky Barrier Rectifier, Reverse Voltage:45V,Forward Current:5.0A,SMBF thin package.

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



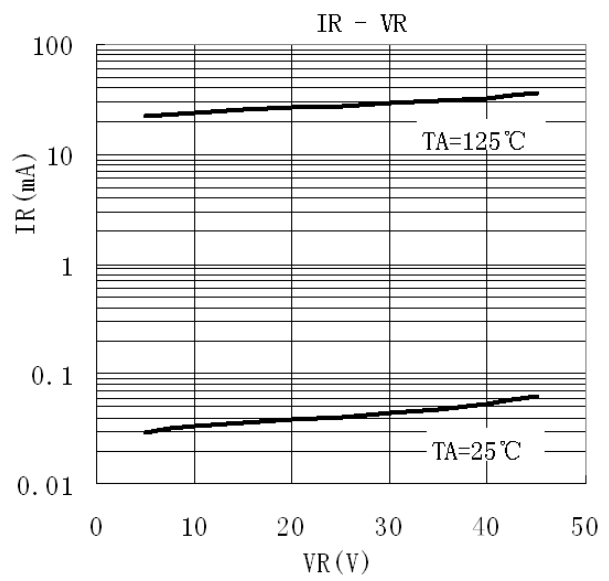
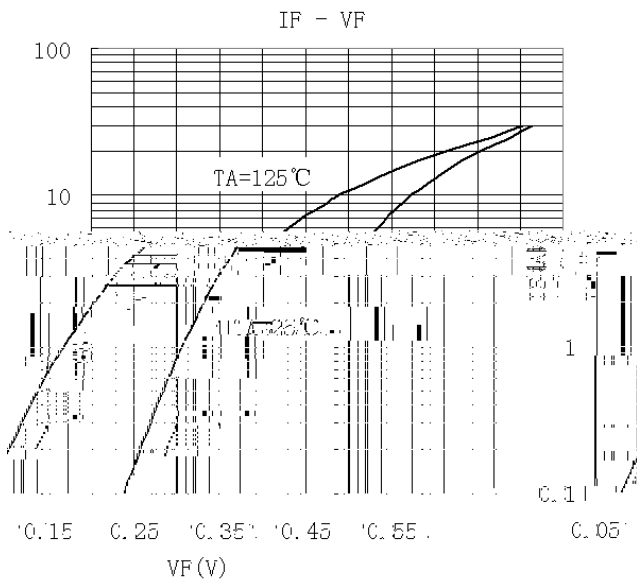
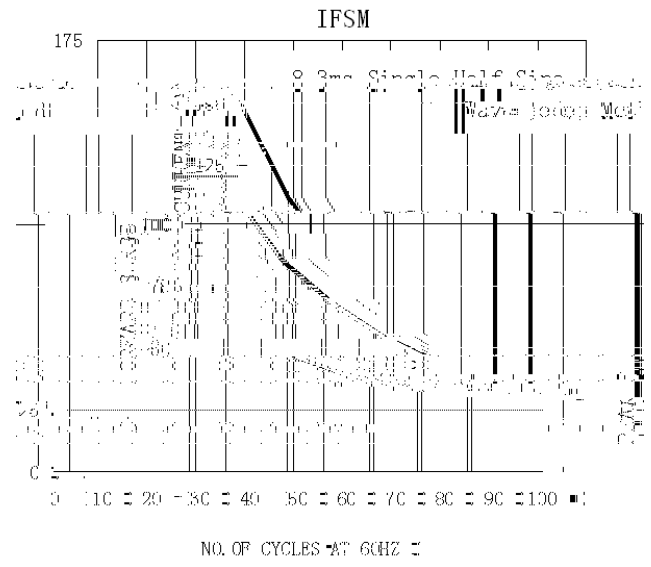
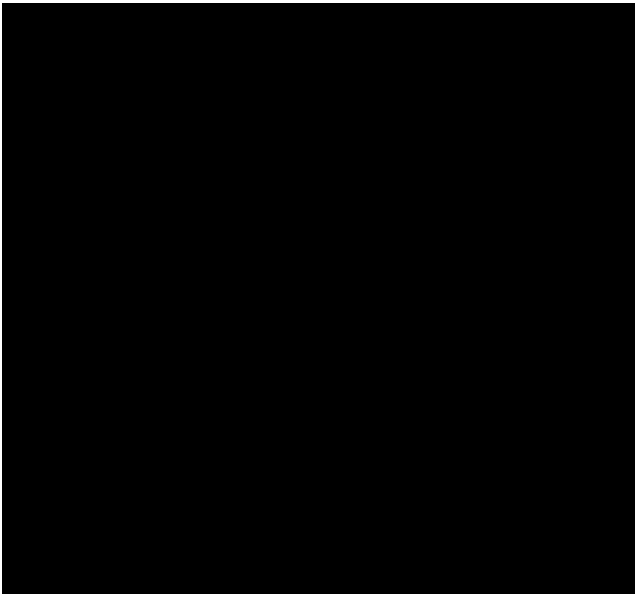
Type number	Marking code
BRLV5T45BF	FT45

Parameter	Symbol	Rating	Unit
Maximum Repetitive Peak Reverse Voltage	$V_{RRM}$	45	V
Maximum DC Blocking Voltage	$V_R$	45	V
Maximum RMS voltage	$V_{RMS}$		

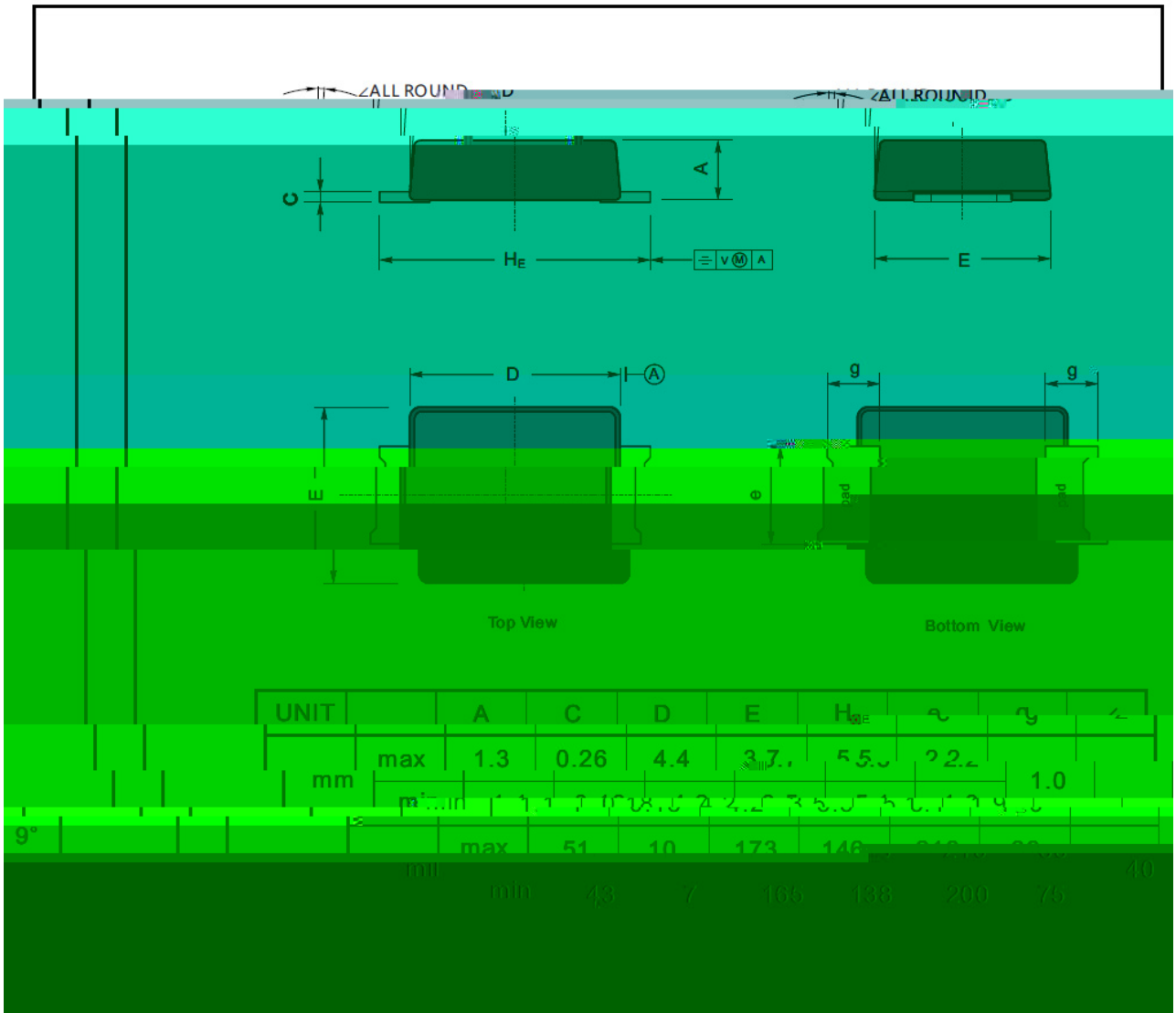
**Notes:**

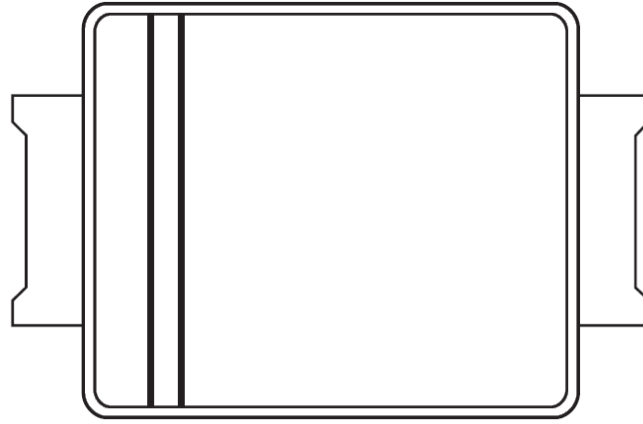
- 1) Mounted at 1MHz and applied reverse voltage of 4V D.C.
- 2) Mounted on a FR4 PCB, single-sided copper, mini pad.

Parameter	Symbol	Test condition	Rating			Unit
			MIN.	TYP.	MAX.	
Breakdown Voltage	$V_{BR}$	$I_R=0.5mA$ $T_a=25$	45			V
Max Instantaneous Forward Voltage	$V_F$	$I_F=1.0A$ $T_a=25$		0.30		V
		$I_F=1.0A$ $T_a=125$		0.18		
		$I_F=5.0A$ $T_a=25$		0.39	0.43	
		$I_F=5.0A$ $T_a=125$		0.29		
Maximum DC Reverse Current at Rated DC Reverse Voltage	$I_R$	$V_R=36V$ $T_a=25$		30		$\mu A$
		$V_R=45V$ $T_a=25$			210	$\mu A$
		$V_R=45V$ $T_a=125$		19		mA

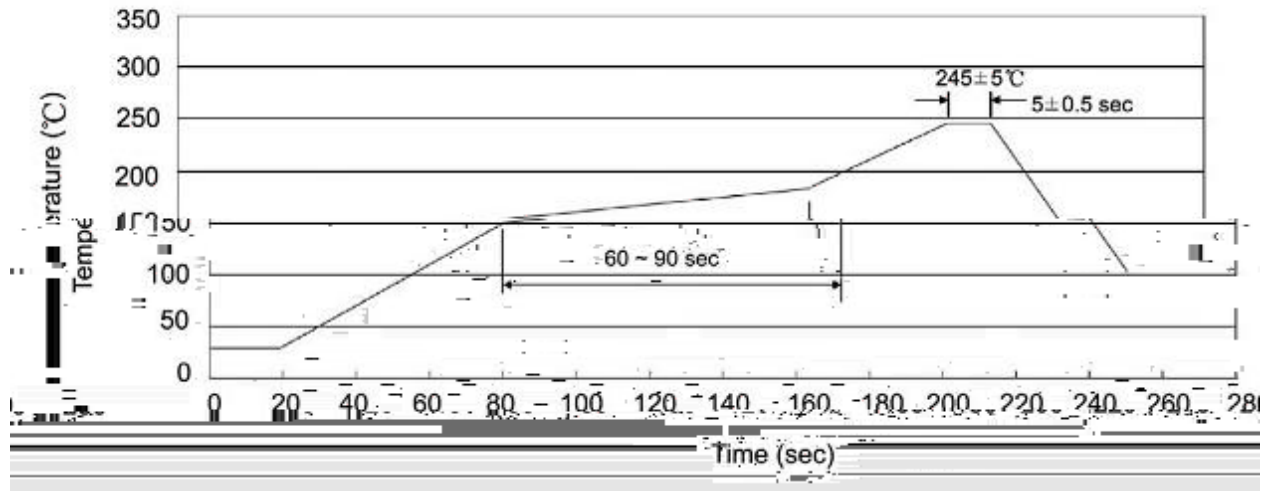


SMBT





## K\ d g\ rXk\ r\ Prf ]i\ d ]f r II I \]f w Jf q \rie^ ŽPY-Fr\ž



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

/ REEL

Package Type	Units	Dimension	(unit mm <sup>3</sup> )
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