

Rev.D May.-2017

1.0A

ABF

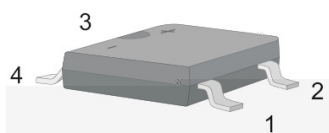
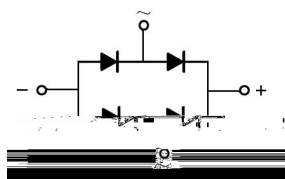
1.0A Surface Mount Glass Passivated Bridge Rectifier, ABF thin package.

1000V

1.0A

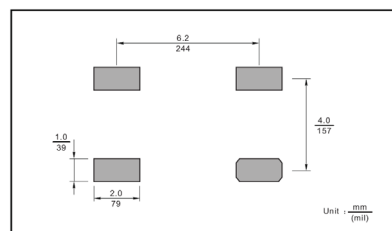
Glass Passivated Chip Junction, Reverse Voltage: 1000V, Forward Current: 1.0A, Fast reverse recovery time, Designed for Surface Mount Application. Halogen free product.

General purpose.



PIN	DESCRIPTION
1	Input Pin (~)
2	Input Pin (~)
3	Output Anode (+)
4	Output Cathode (-)

The recommended mounting pad size



See Marking Instructions.

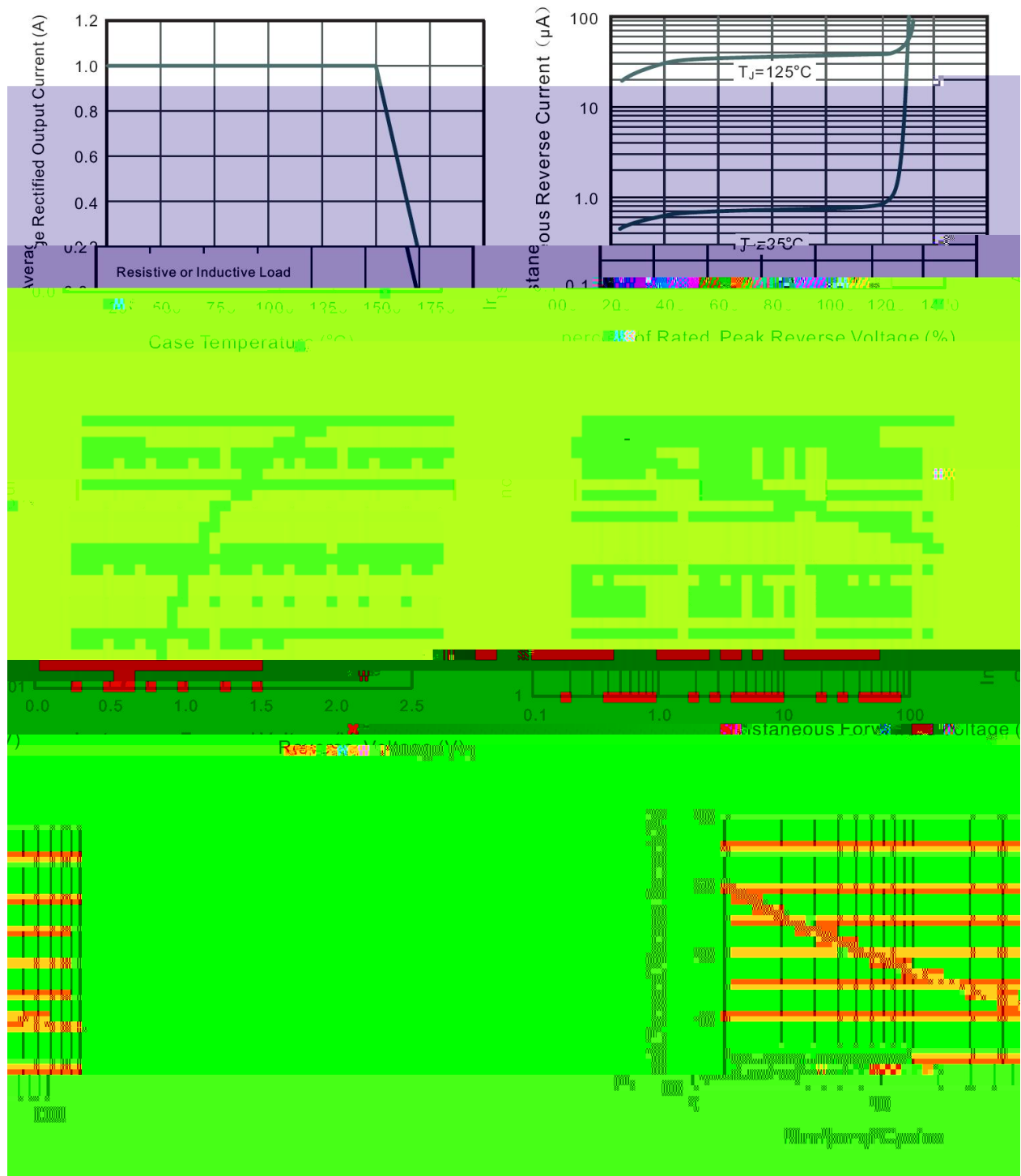
Parameter	Symbol	Rating	Unit
Maximum Repetitive Peak Reverse Voltage	V_{RRM}	1000	V
Maximum RMS Voltage	V_{RMS}	700	V
Maximum DC Blocking Voltage	V_{DC}	1000	V
Average Rectified Output Current at $T_c = 125^\circ\text{C}$	I_o	1.0	A
Peak Forward Surge Current 8.3 ms Single Half Sine Wave Superimposed on Rated Load	I_{FSM}	30	A
Typical Junction Capacitance ^(Note1)	C_j	30	pF
Typical Thermal Resistance ^{Note2}	R_{JA}	75	$^\circ\text{C}/\text{W}$
Operating and Storage Temperature Range	T_j, T_{stg}	-55~150	$^\circ\text{C}$

Note:

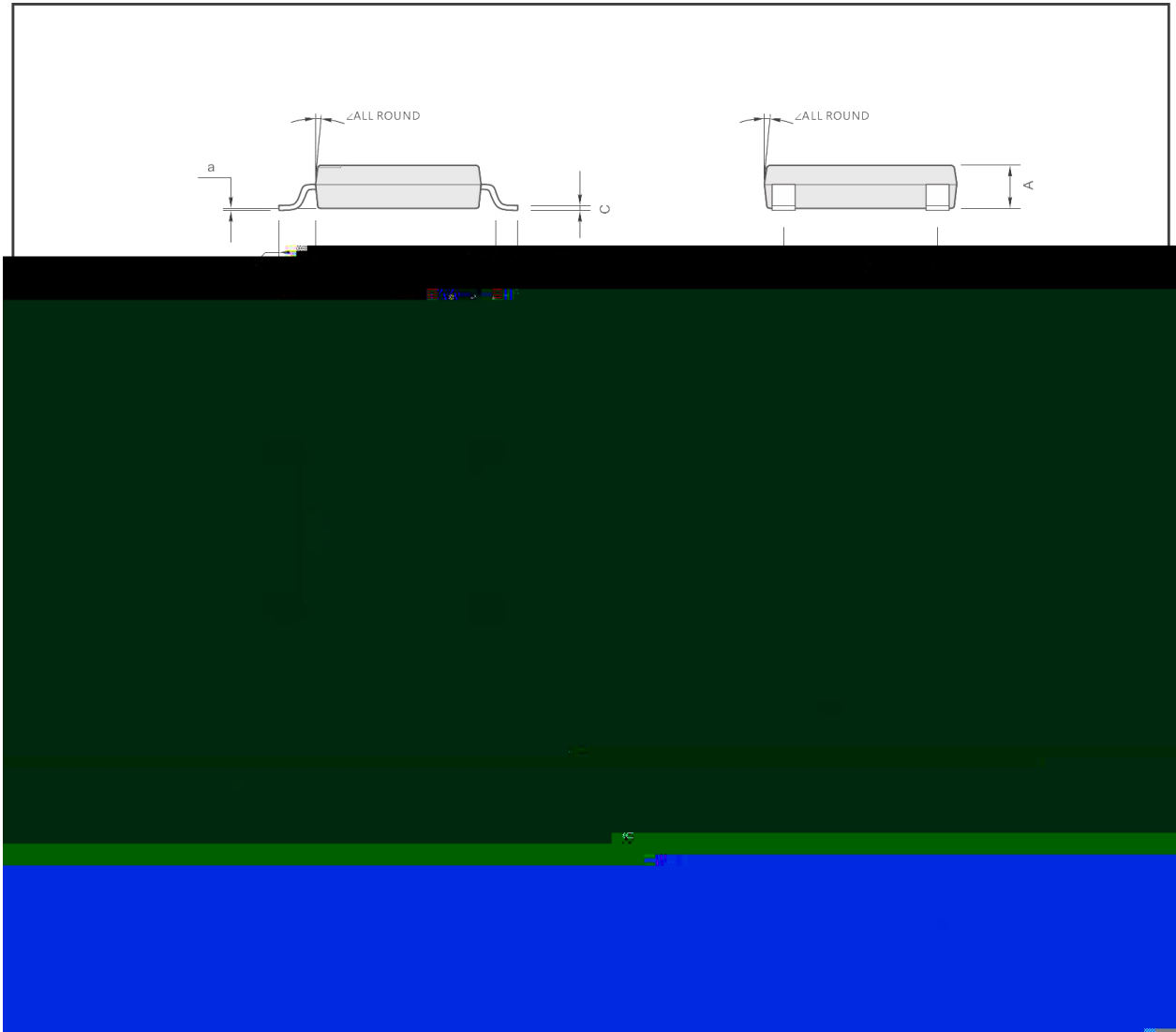
- 1.Measured at 1MHz and applied reverse voltage of 4 V D.C.
2. Mounted on glass epoxy PC board with $4 \times 1.0'' \times 1.0''$ (2.54 X 2.54 cm) copper pad.

Parameter	Symbol	Test Conditions	Rating	Unit
Forward Voltage per element	V_F	$I_F=1.0\text{A}$	1.3	V
Maximum DC Reverse Current at Maximum DC Blocking Voltage	I_R	$T_a=25^\circ\text{C}$	5.0	A
		$T_a=125^\circ\text{C}$	50	A
Maximum Reverse Recovery Time	t_{rr}	$I_F=0.5\text{A}$ $I_R=1.0\text{A}$ $I_{rr}=0.25\text{A}$	200	ns

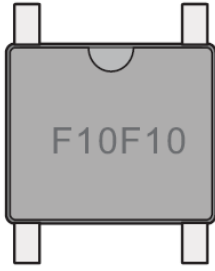
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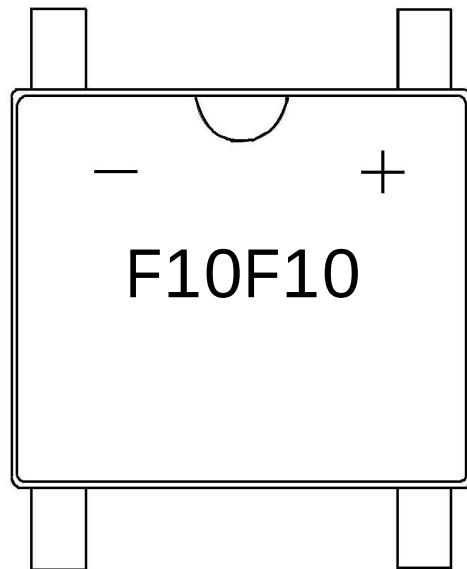


ABF



Marking

Type number	Marking code
FTB10F-10	F10F10
	



F10F10

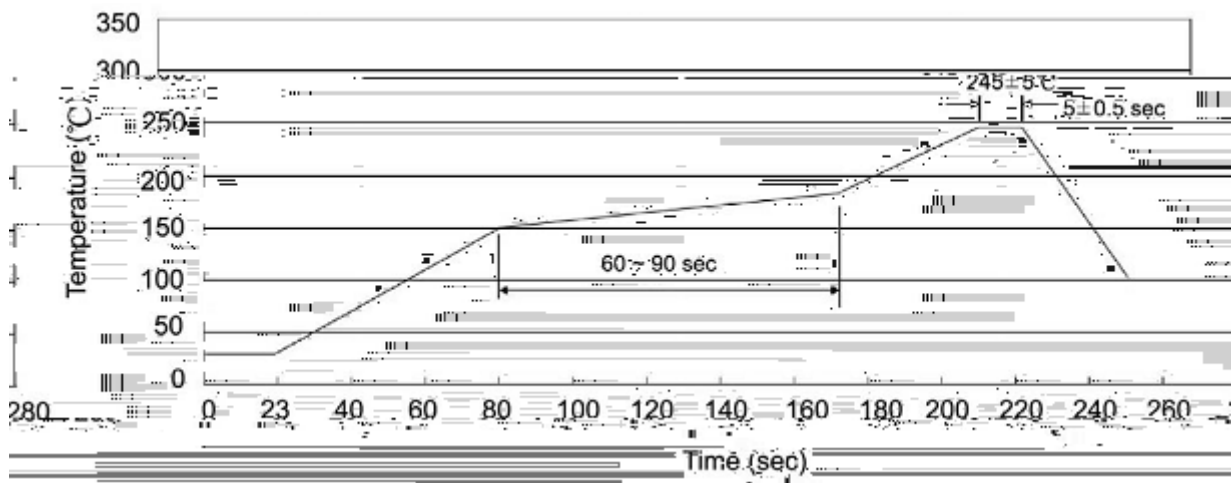
1

3

Note:

F10F10 Product Type Code

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



Note:

- 1

25 150

60 90sec;
- 2

245±5

5±0.5sec;
- 3

2 10 /sec.
- 1.Preheating:25~150 , Time:60~90sec.
- 2.Peak Temp.:245±5 , Duration:5±0.5sec.
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 ³)		
	Units/Reel	Reels/Inner Box	Units/Inner Box	Inner Boxes/Outer Box	Units/Outer Box	Reel	Inner Box	Outer Box
ABF	5000	2	10000	5	50000	13" ×15	336X336X40	380X335X366