

Rev.D May.-2017

1.0A

ABF

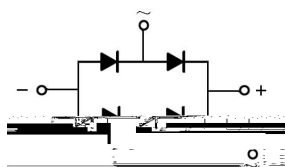
1.0A Surface Mount Glass Passivated Bridge Rectifier, ABF thin package.

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.

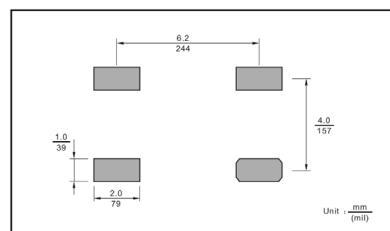


3



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

The recommended mounting pad size



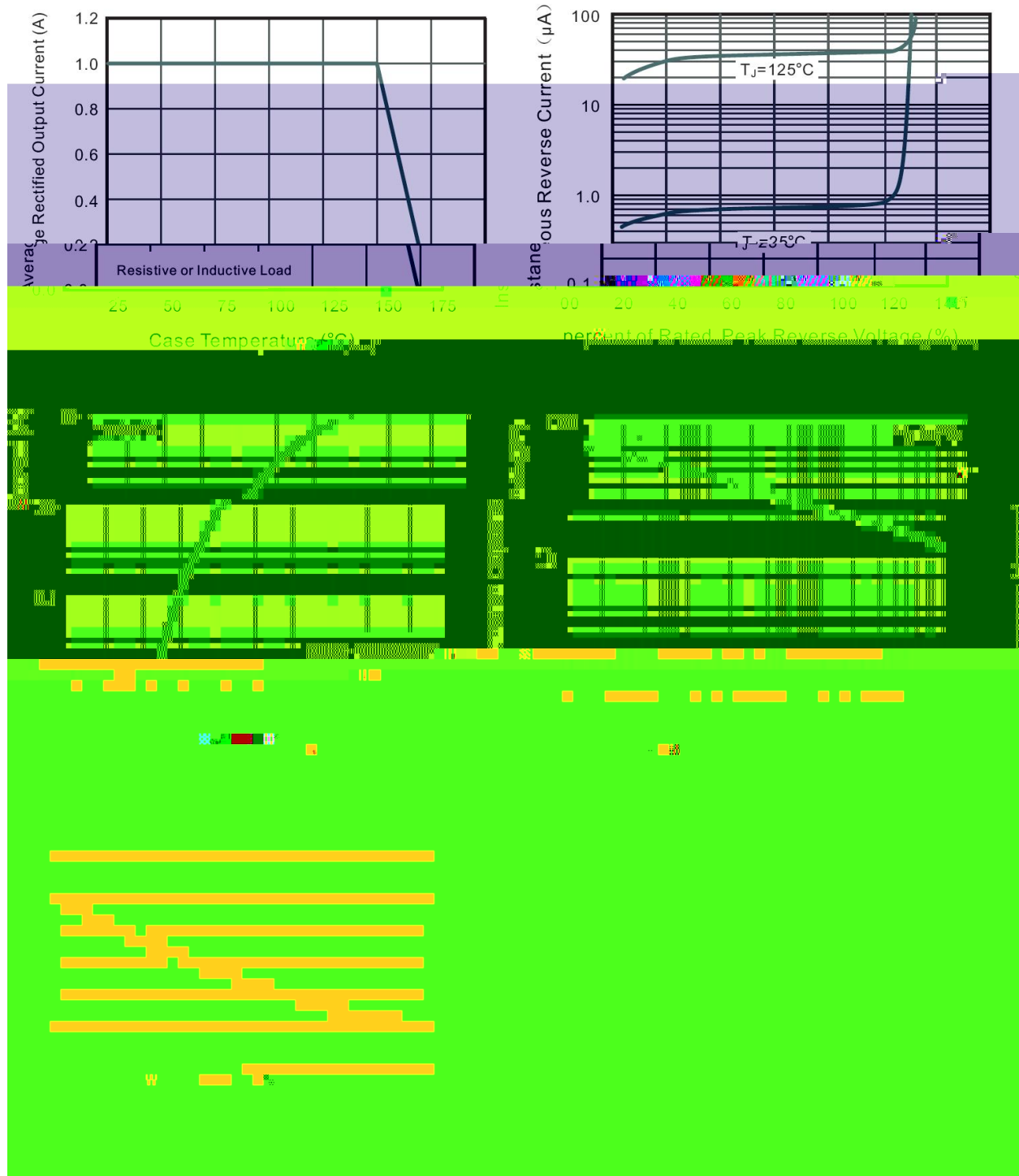
See Marking Instructions.

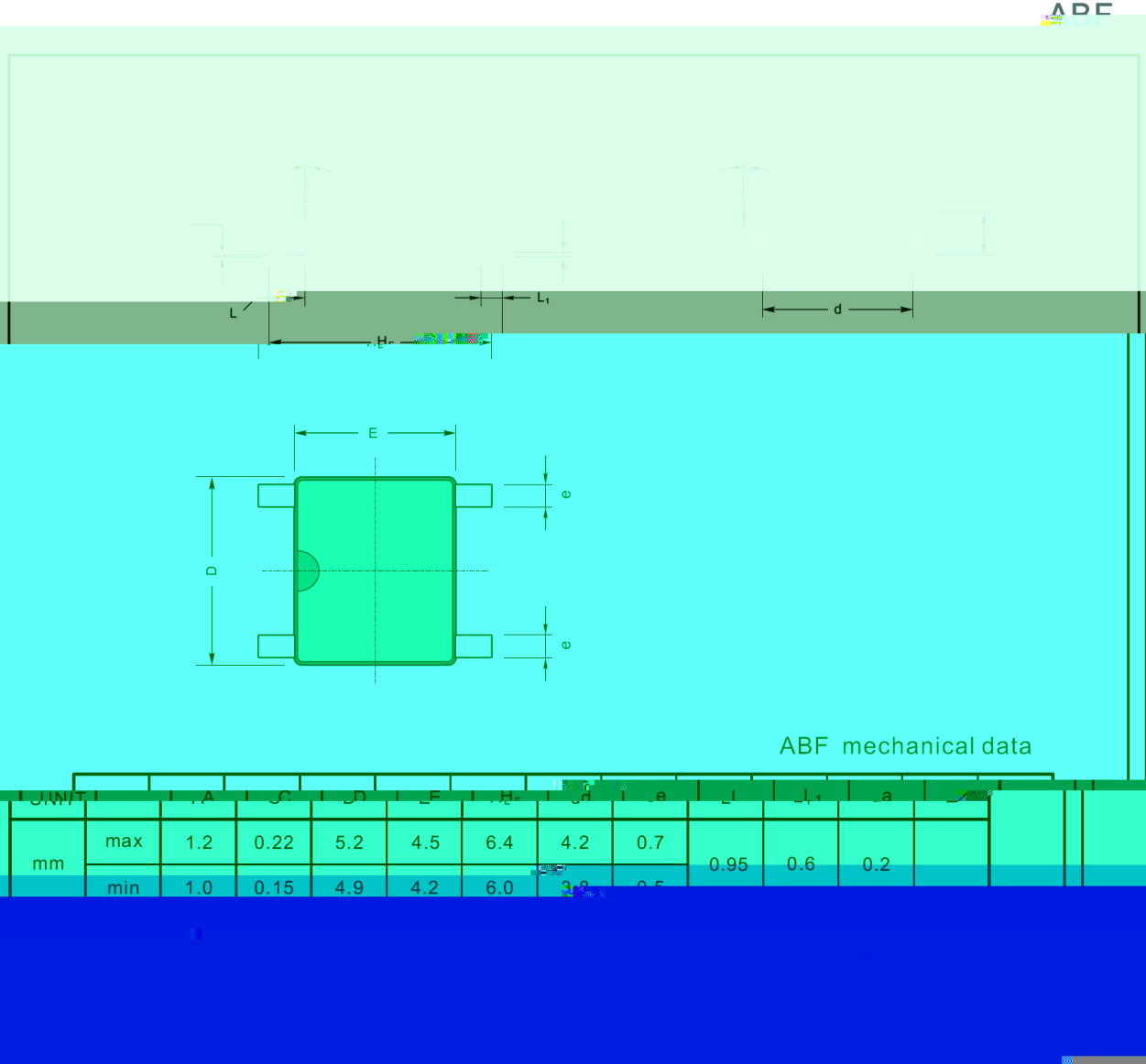
Parameter	Symbol	Rating	Unit
Maximum Repetitive Peak Reverse Voltage	V_{RRM}	1000	V
Maximum RMS Voltage	V_{RMS}	700	V
Maximum DC Blocking Voltage	V_{DC}	1000	V
Average Rectified Output Current at $T_c = 125^\circ\text{C}$	I_o	1.0	A
Peak Forward Surge Current 8.3 ms Single Half Sine Wave Superimposed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

Note:

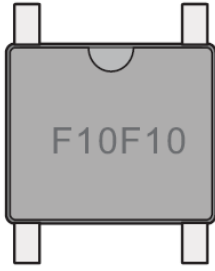
- 1.Measured at 1MHz and applied reverse voltage of 4 V D.C.
2. Mounted on glass epoxy PC board with $4 \times 1.0'' \times 1.0''$ (2.54 X 2.54 cm) copper pad.

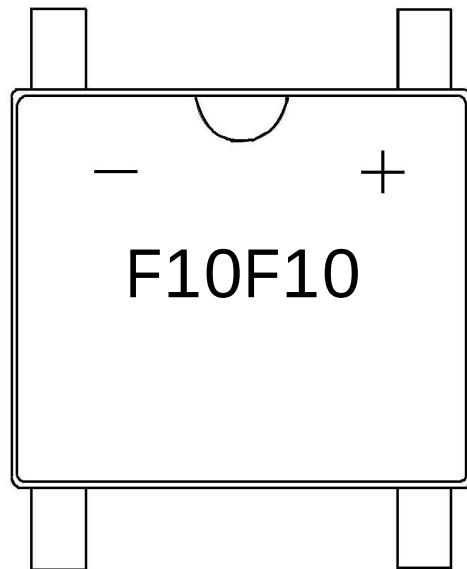
Parameter	Symbol	Test Conditions	Rating	Unit
Forward Voltage per element	V_F	$I_F=1.0\text{A}$	1.3	V
Maximum DC Reverse Current at Maximum DC Blocking Voltage	I_R	$T_a=25^\circ\text{C}$	5.0	μA
		$T_a=125^\circ\text{C}$	50	μA
Maximum Reverse Recovery Time	t_{rr}	$I_F=0.5\text{A}$ $I_R=1.0\text{A}$ $I_{rr}=0.25\text{A}$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





Marking

Type number	Marking code
FTB10F-10	F10F10
	



F10F10

1 *

3 *

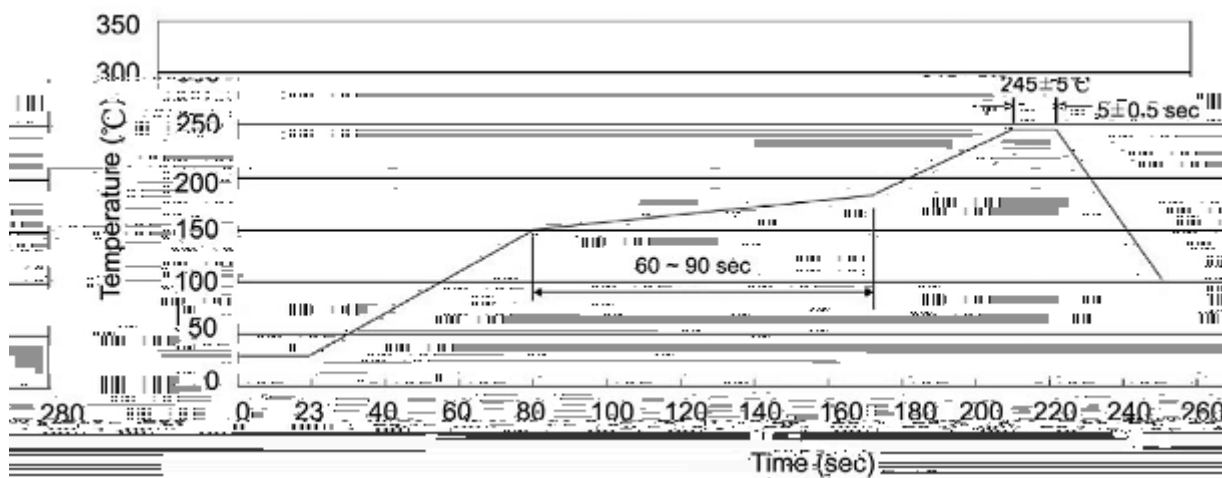
Note:

F10F10 Product Type Code

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

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Temperature Profile for IR Reflow Soldering(Pb-Free)



Note:

- | | | | | | |
|---|-------|-----|-----------|--------|---|
| 1 | 25 | 150 | 60 | 90sec; | 1.Preheating:25~150 , 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)		
	5000	2	10000	5	50000	13" ×15	336X336X40	380X335X366