

/ Descriptions

1.5A ABF
1.5A Surface Mount Glass Passivated Bridge Rectifier, ABF thin package.

/ Features

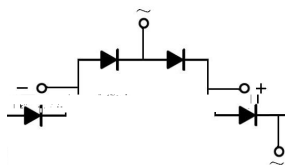
1000V 1.5A

Glass Passivated Chip Junction,Reverse Voltage: 1000V,Forward Current:1.5A, Fast reverse recovery time,Designed for Surface Mount Application.Halogen free product.

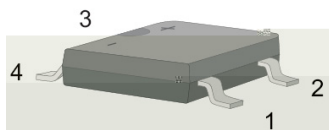
/ Applications

General purpose.

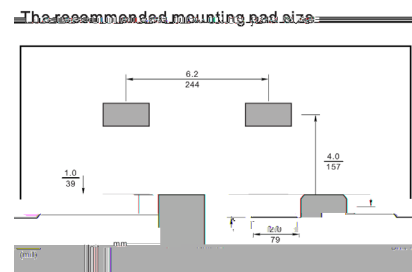
/ Equivalent Circuit



/ Pinning



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



/ Marking

See Marking Instructions.

/ Absolute Maximum Ratings(Ta=25)

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	1.5	A
Peak Forward Surge Current 8.3 ms Single Half Sine Wave Superimposed on Rated Load	I_{FSM}	50	A
Typical Junction Capacitance ^(Note1)	C_j	35	pF
Typical Thermal Resistance ^{Note2}	$R_{\theta JA}$	70	$^{\circ}\text{C}/\text{W}$
Operating and Storage Temperature Range	T_j, T_{stg}	-55~150	$^{\circ}\text{C}$

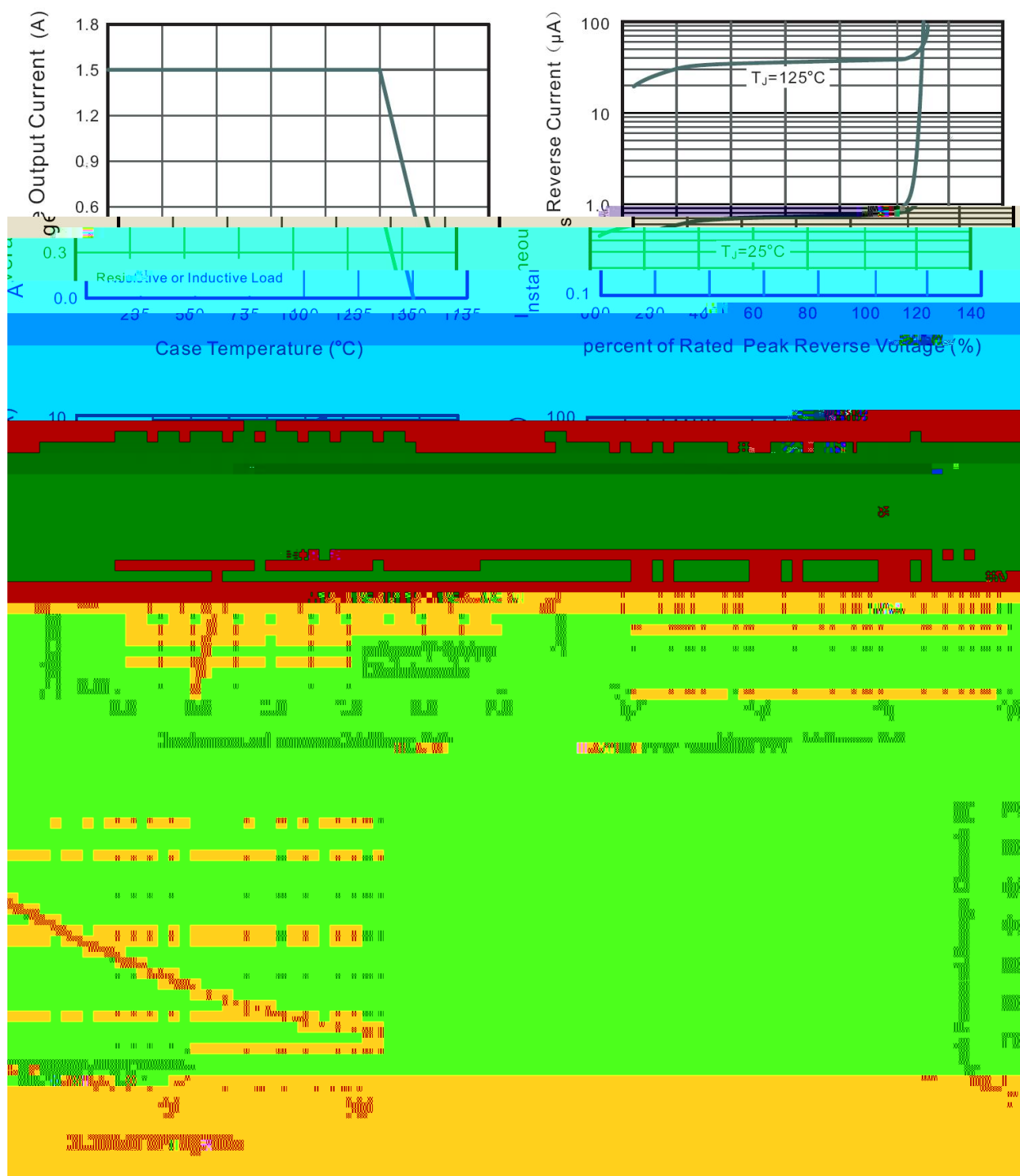
Note:

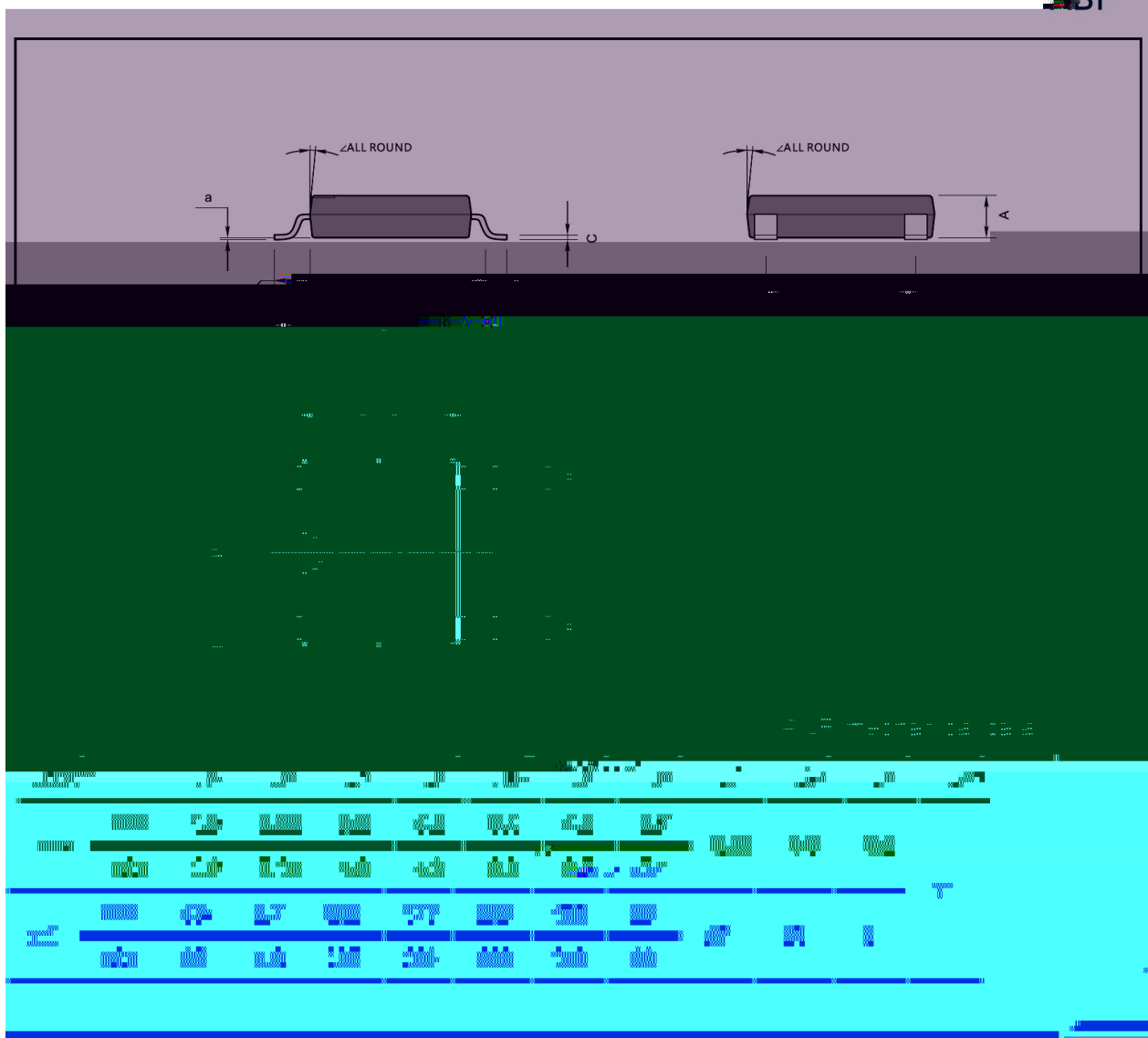
- 1.Measured at 1MHz and applied reverse voltage of 4 V D.C.
2. Mounted on glass epoxy PC board with 4×1.0" X 1.0" (2.54 X 2.54 cm) copper pad.

/ Electrical Characteristics(Ta=25)

Parameter	Symbol	Test Conditions	Rating	Unit
Forward Voltage per element	V_F	$I_F=1.5\text{A}$	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

/ Electrical Characteristic Curve

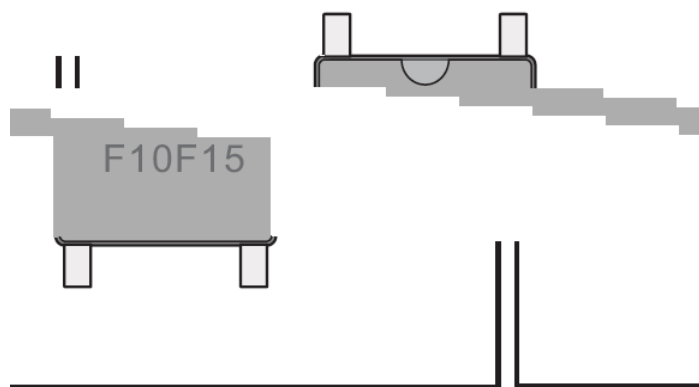




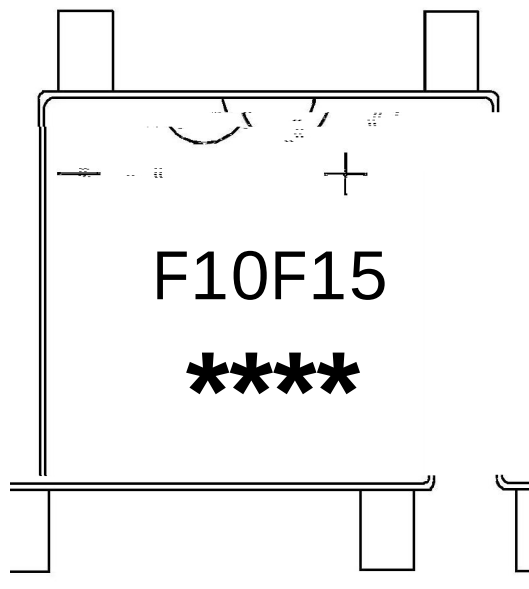
/ Marking Instructions

Marking

Type number	Marking code
FTB10F-15	110F15



/ Marking Instructions



F10F15

1 *

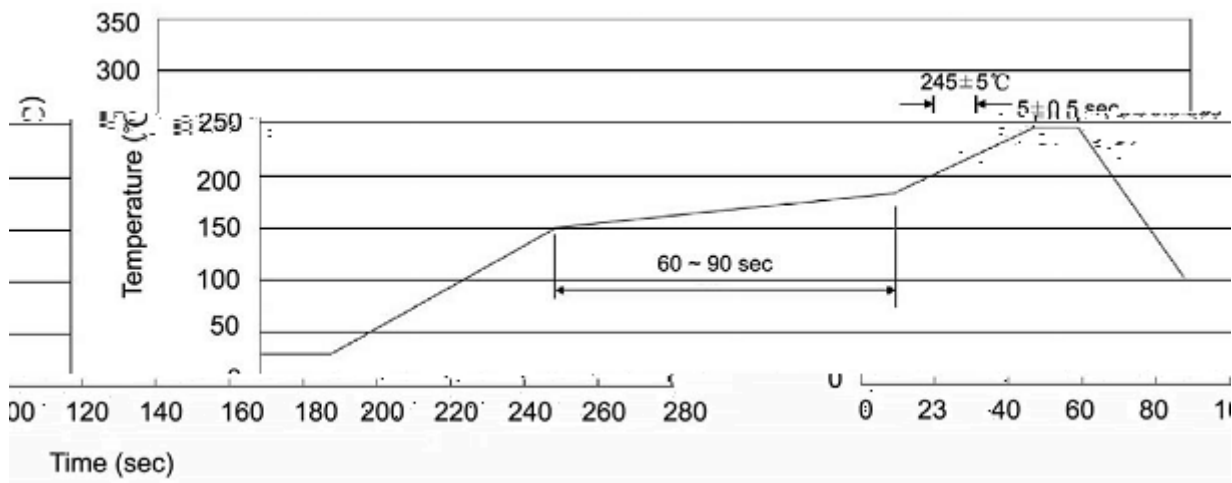
3 *

Note:

F10F15 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 | 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. |

/ Resistance to Soldering Heat Test Conditions

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

/ Packaging SPEC.

/ REEL

Package Type 封装形式	Units 包装数量					Dimension 包装尺寸 (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 盒	Outer Box 箱
ABF	5000	2	10000	5	50000	13" ×15	336X336X40	380X335X366

/ Notices