



**/ 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 $T_c = 125$	$I_o$	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 <sup>Note1</sup>	$C_j$	30	pF
Typical Thermal Resistance <sup>Note2</sup>	$R_{JA}$	75	/W
Operating and Storage Temperature Range	$T_j, T_{stg}$	-55~150	

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.

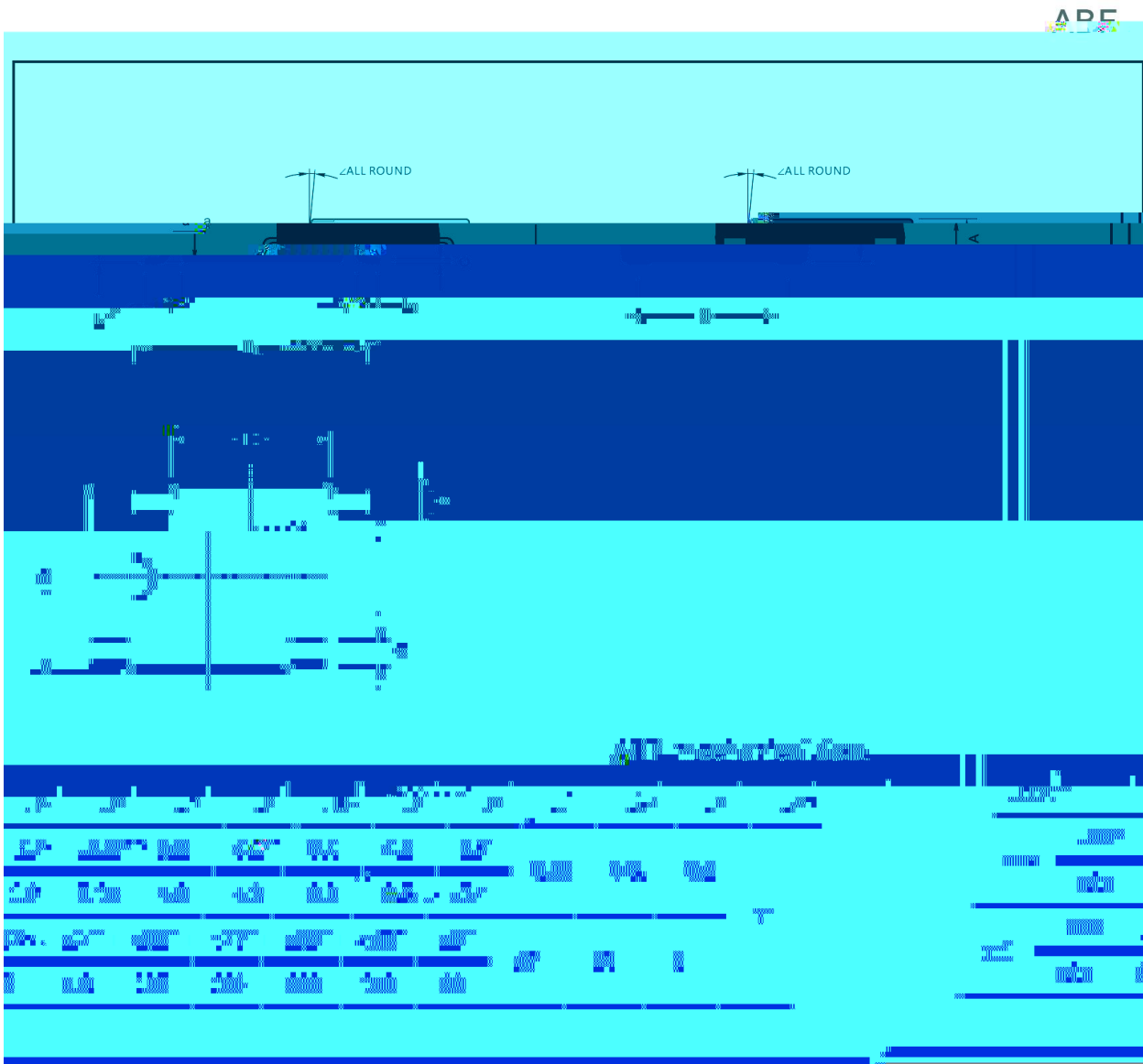
**/ Electrical Characteristics(Ta=25 )**

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

/ Electrical Characteristic Curve




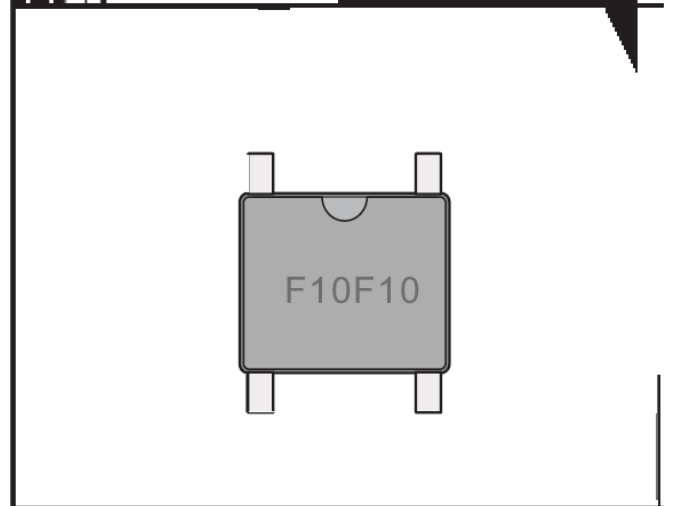


/ Package Dimensions



/ Marking Instructions

Marking

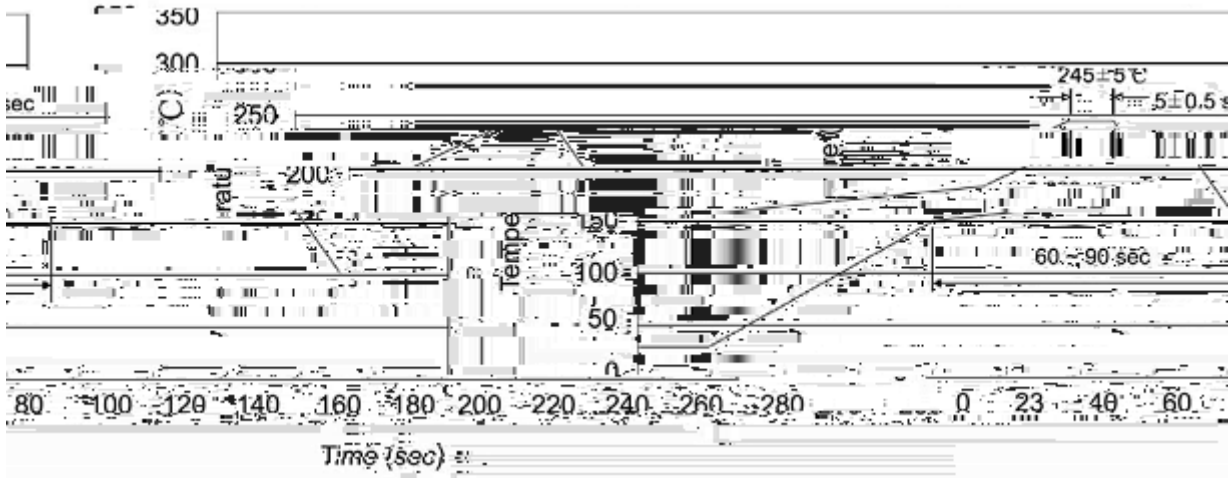
Marking code	Type number	Mark
		
		

/ Marking Instructions

F10F10  
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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±0.5 | sec;     | 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	Units					Dimension (unit mm <sup>3</sup> )		
	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 x15	336X336X40	380X335X366

/ Notices