

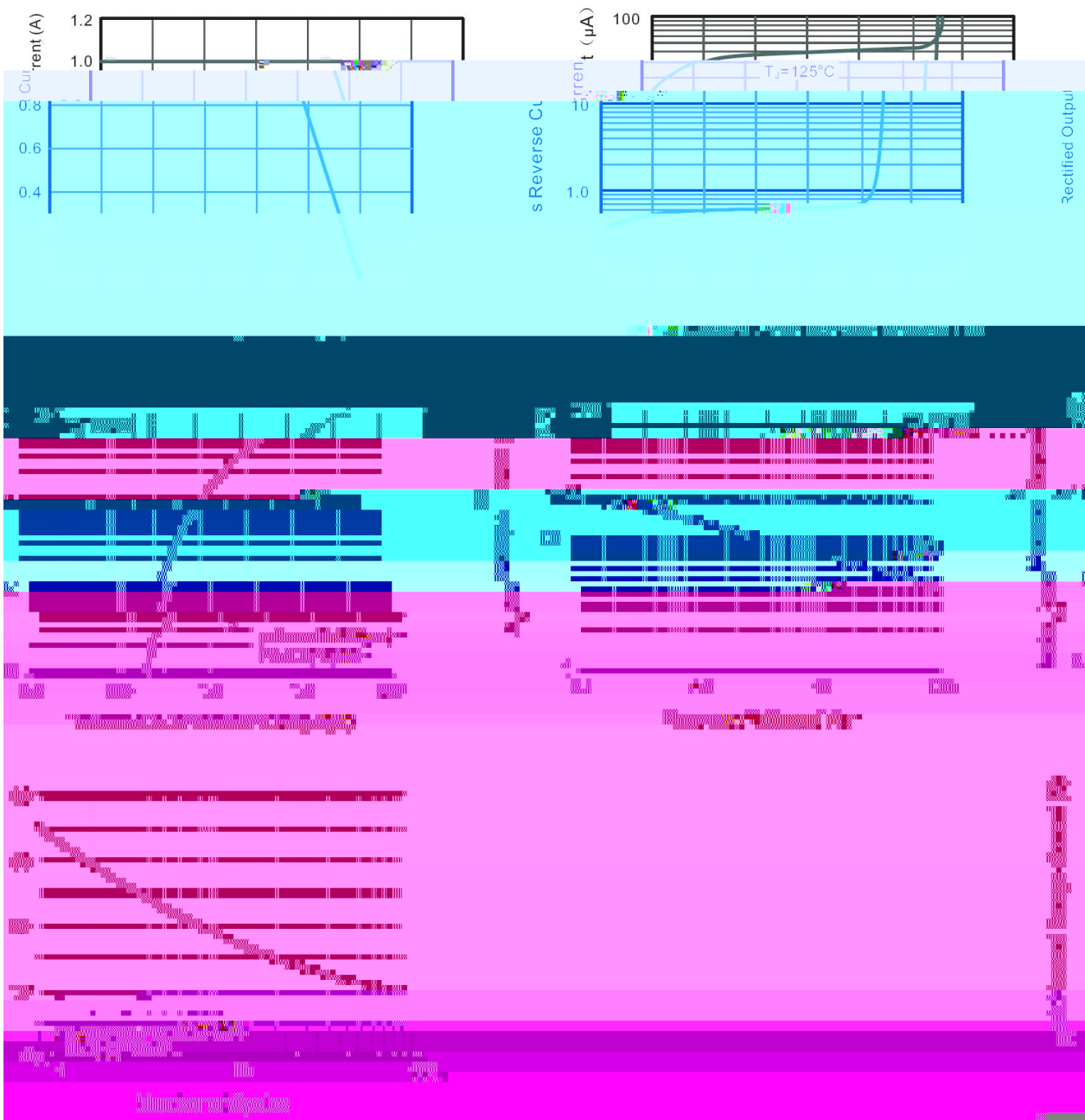
Parameter	Symbol	Rating						Unit
		UM1B-10	UM2B-10	UM4B-10	UM6B-10	UM8B-10	UM10B-10	
Maximum Repetitive Peak Reverse Voltage	V_{RRM}	100	200	400	600	800	1000	V
Maximum RMS voltage	V_{RMS}	70	140	280	420	560	700	V
Maximum DC Blocking Voltage	V_{DC}	100	200	400	600	800	1000	V
Average Rectified Output Current at $T_a = 115$	I_o	1.0						A
Peak Forward Surge Current 8.3 ms Single Half Sine Wave Superimposed on Rated Load (JEDEC Method)	I_{FSM}	35						A
Typical Junction Capacitance <small>Note1</small>	C_i	13						pF
Typical Thermal Resistance <small>Note2</small>	R_{JA} R_{JC}	85 25						/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. P.C.B. mounted with 4x1.5 x1.5 (3.81x3.81cm) copper pad areas.

Parameter	Symbol	Test Conditions	Rating	Unit
Forward Voltage per element	V_F	$I_F=1.0A$	1.1	V
Maximum DC Reverse Current at Maximum DC Blocking Voltage	I_R	$T_a=25$ $T_a=125$	5.0	A


/ Electrical Characteristic Curve



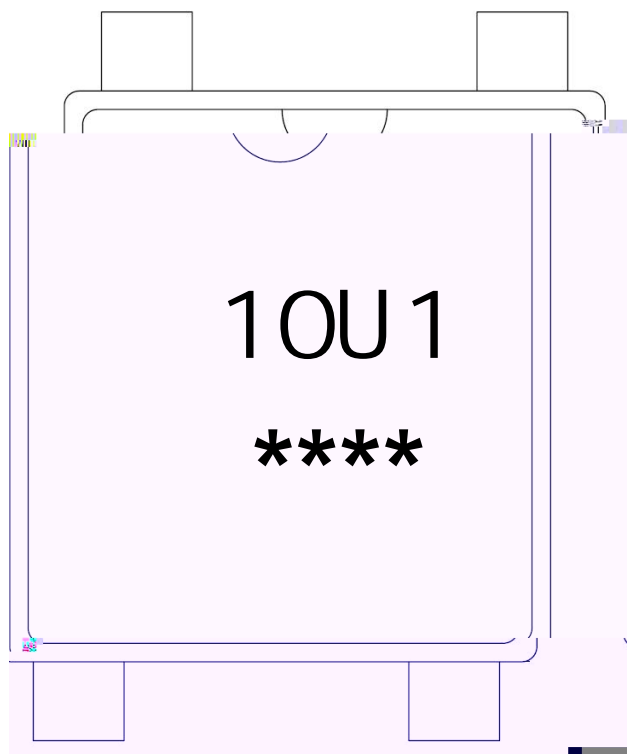
/ Marking Instructions

Marking

Type number	Marking code
UM1B-10	10U1
UM2B-10	10U2
UM4B-10	10U4
UM6B-10	10U6
UM8B-10	10U8
10U10	UM10B-10



/ Marking Instructions



10U1

1 *

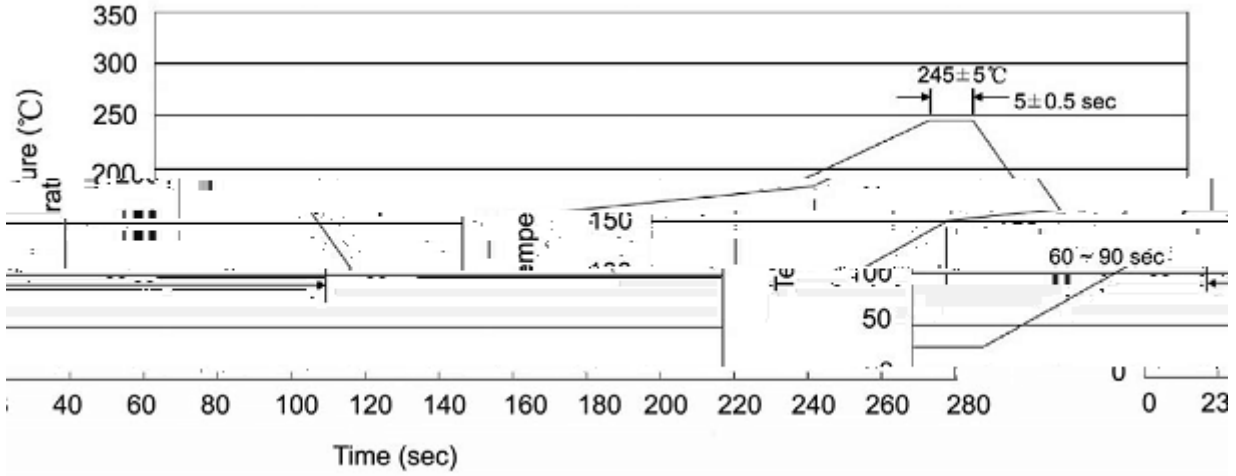
3 *

Note:

10U1 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±0.5 | 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 ³)		
	Units/Reel	Reels/Inner Box	Units/Inner Box	Inner Boxes/Outer Box	Units/Outer Box	Reel	Inner Box	Outer Box
UMB	5000	2	10,000	5	50,000	13 16	340 340 40	350 350 230

/ Notices