

/ Descriptions

Surface Mount Ultrafast Recovery Rectifier, Reverse Voltage: 50 to 1000V, Forward Current: 3.0A, SMB package.

/ Features

Glass Passivated Chip Junction High efficiency Lead free in comply with EU RoHS 2011/65/EU directives For surface mounted applications. Halogen free product.

/ Applications

General purpose.

/ Equivalent Circuit

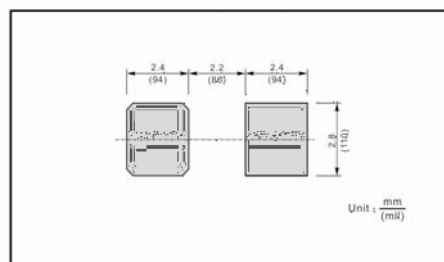


/ Pinning



PIN	DESCRIPTION
1	Cathode
2	Anode

The recommended mounting pad size



/ Marking

See Marking Instructions.

/ Absolute Maximum Ratings(Ta=25)

Parameter	Symbol	Rating							Unit
		US3AB	US3BB	US3DB	US3GB	US3JB	US3KB	US3MB	

Note:

(1) P.C.B. mounted with 2.0 X 2.0" (5 X 5 cm) copper pad areass .

Parameter	Symbol	Test condition	Rating							Unit
			US3AB	US3BB	US3DB	US3GB	US3JB	US3KB	US3MB	
Maximum Instantaneous Forward Voltage	V _F	I _F =3.0A	1.0			1.3	1.68			V
Maximum DC Reverse Current at Maximum DC Blocking Voltage	I _R	T _a =25	5.0							uA
		T _a =125	100							
Maximum Reverse Recovery Time	T _{rr}	I _F =0.5A I _R =1.0A I _{rr} =0.25A	50				75			ns

/ Electrical Characteristic Curve

Fig.1 Maximum Average Forward Current Rating

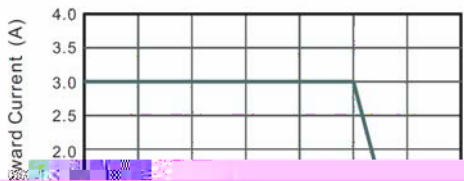
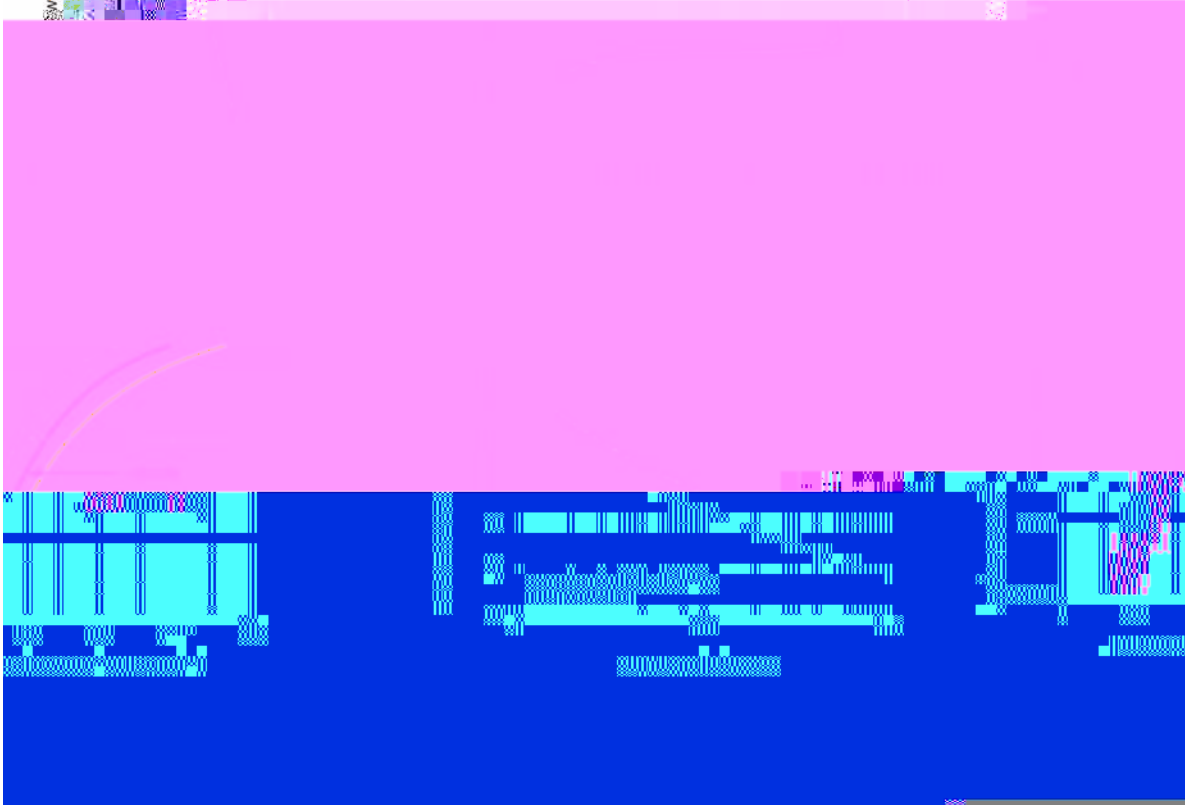
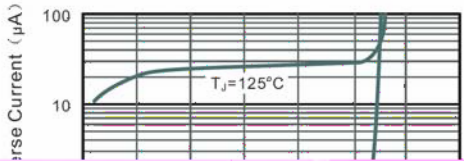
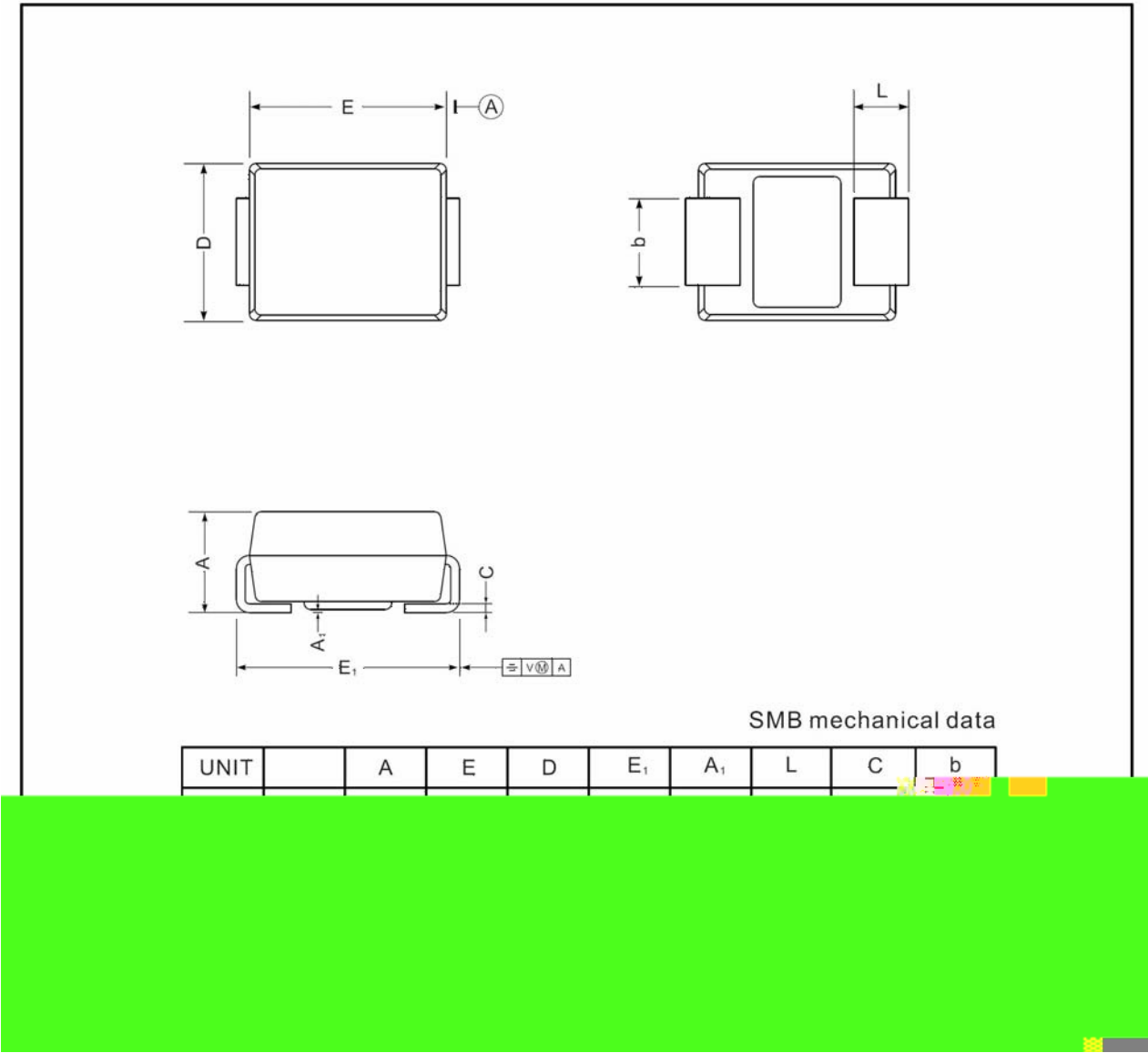


Fig.2 Typical Reverse Characteristics



/ Package Dimensions

SMB

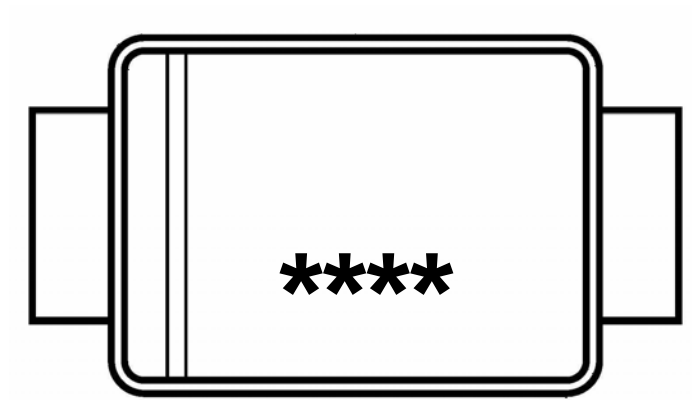


/ Marking Instructions

Marking

Type number	Marking code
US3AB	US3A
US3BB	US3B
US3CDB	US3D
US3CUB	US3C
US3JTB	US3J
US3MB	US3M

/ Marking Instructions

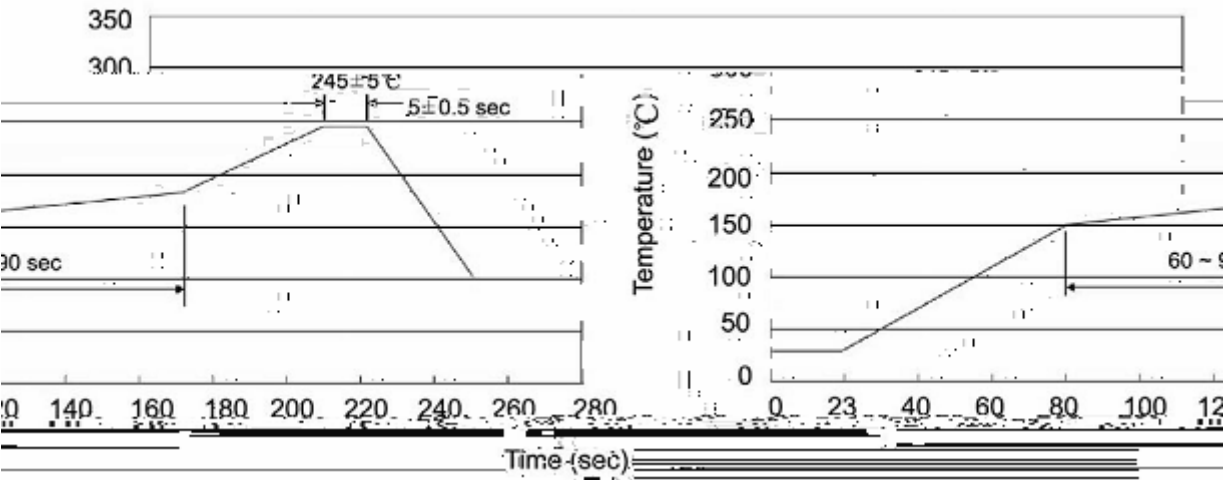


Note:

Product Type Code

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

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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 /sec.96022d7 TD007/80b2fj4j/TT412315-35.6 TD7c0aed[/sec.96022d72)-393TD022.945