US3AB~US3MB

Rev.A Dec.-2017

DATA SHEET

/ Descriptions

50V~1000V 3.0A SMB

Surface Mount Ultrafast Recovery Rectifier,Reverse Voltage:50 to1000V,Forward Current:3.0A, SMB package.

/ Features

RoHS 2011/65/EU

Glass Passivated Chip Junction High efficiency Lead free in comply with EU R0HS 2011/65/EU directives For surface mounted applications. Halogen free product.

/ Applications

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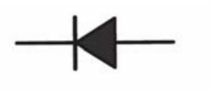
General purpose.

/ Equivalent Circuit



/ Pinning

PIN	DESCRIPTION
1	Cathode
2	Anode

/ Marking

See Marking Instructions.

Note:

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

Parameter	Symbol	Test condition	Ra19.u7ng							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								

/ Electrical Characteristic Curve

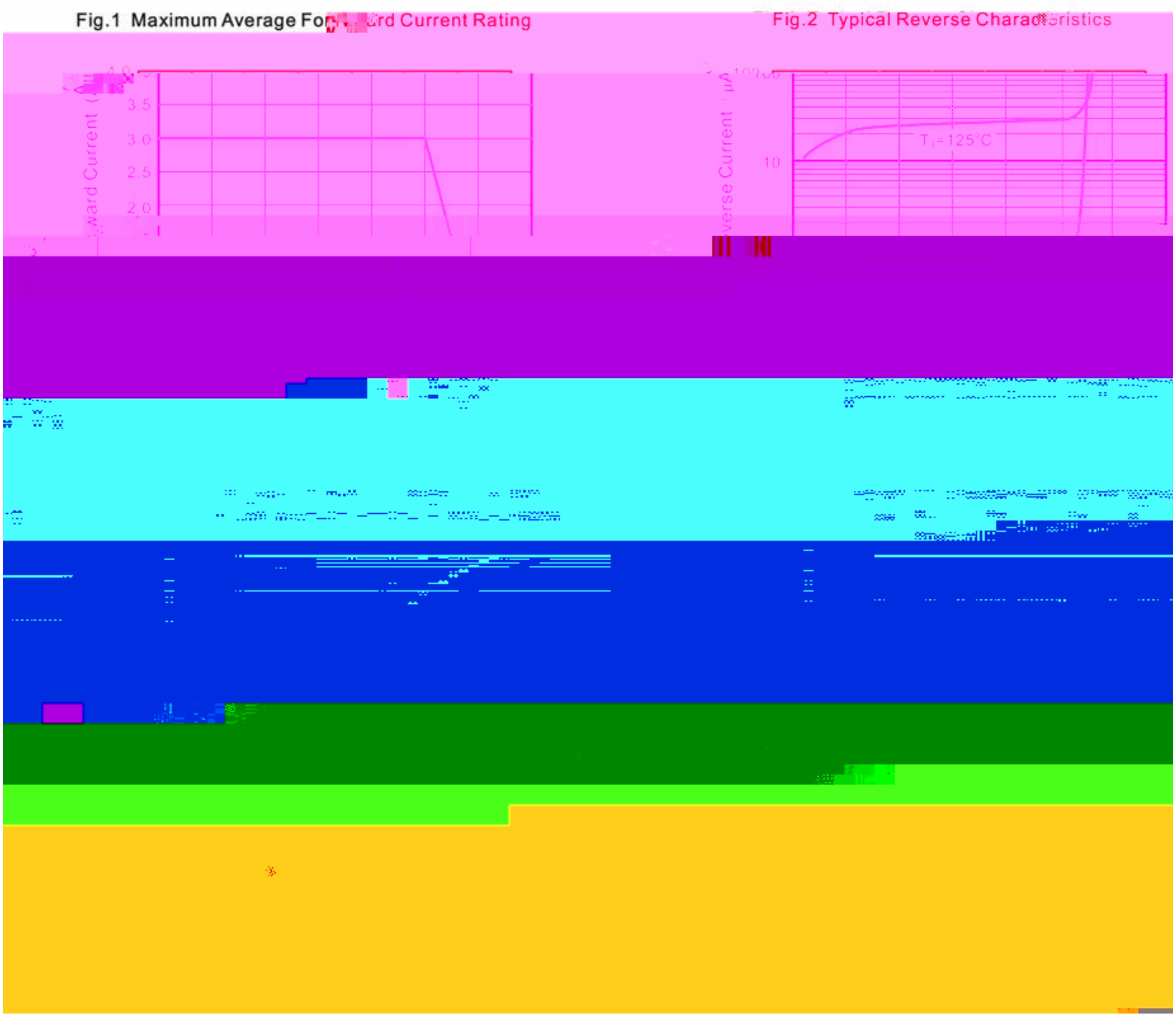


Fig.1 Maximum Average Forward Current Rating

Fig.2 Typical Reverse Characteristics

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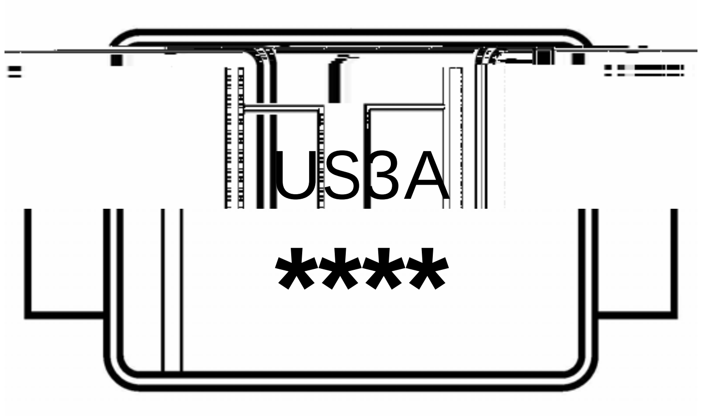
/ Marking Instructions



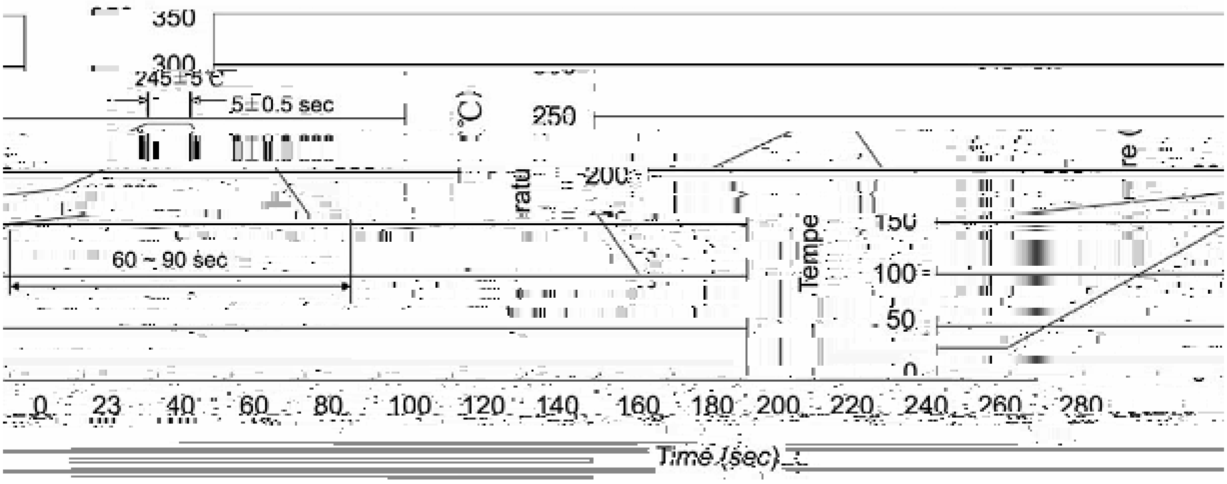
US3A

**** 1 * 3 *

Note:

US3A	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 ط ±