

US3AB~US3MB

Rev.A Dec.-2017



DATA SHEET

/ Descriptions

50V~1000V

3.0A SMB

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

/ Features

RoHS

2011/65/EU

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



/ Marking

See Marking Instructions.



Note:

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

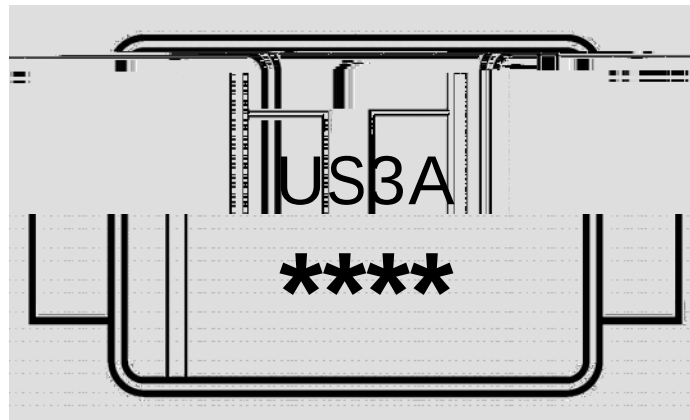
Parameter	Symbol	Test condition	Ra19.u7ng							Unit
			US3AB	US3BB	US3DB	US3GB	US3JB	US3KB	US3MB	
Maximum Instantaneous Forward Voltage	V _F	I _F =3.0A	1.0			1.3	1.68			V
Maximum DC Reverse Current at Maximum DC Blocking Voltage	I _R	T _a =25	5.0							uA
Maximum Reverse Recovery Time		T _a =125	100							
	T _{rr}	I _F =0.5A								

/ Electrical Characteristic Curve



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/ Marking Instructions



US3A

1 *

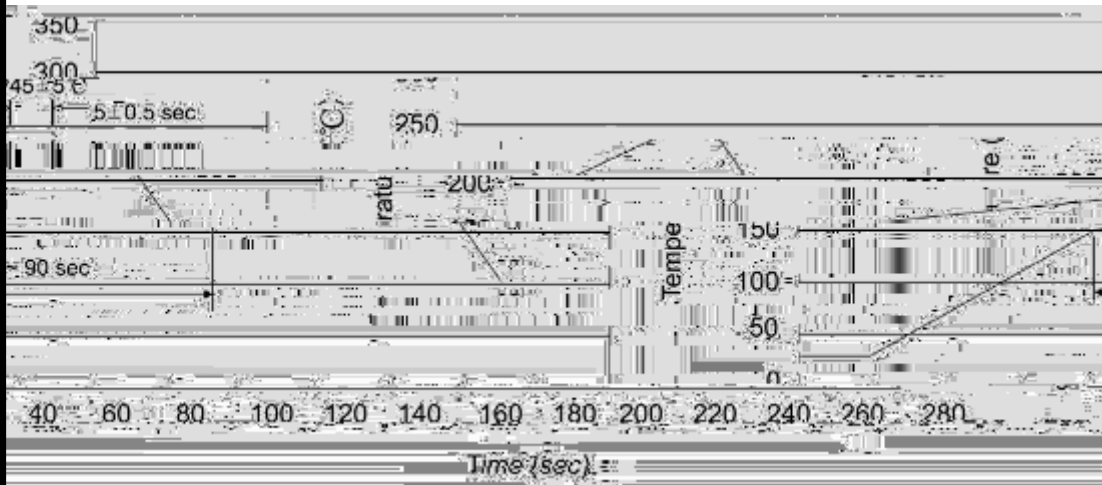
3 *

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:

25 150 60 90sec;

245±5 5±0.5sec;

2 10 /sec.

1.Preheating:25~150 , Time:60~90sec.

2.Peak Temp.:245±5 , Duration:5±0.5sec.

3. Cooling Speed: 2~10 /sec.

/ Resistance to Soldering Heat Test Conditions

0±5 mΩ ±