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& ' / Descriptions

! " # \$ % & ' () * % + ' (, * % - . /
Surface Mount Ultrafast Recovery Rectifier,Reverse Voltage:50 to1000V,Forward Current:5.0A, SMC package.

() / Features

0 1 2 3 4 5 % 6 7 8 % 9 : ; < = > ? @ % A B C D E F . % 9 G H I /
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

J K B L
General purpose.

, - . / 0 1 / Equivalent Circuit



" # \$ % / Marking

M N O P Q / See Marking Instructions.

US5A

0 8 9 = > ? / Electrical Characteristic Curve

Fig.1 Reverse Recovery Time Characteristic And Test Circuit Diagram

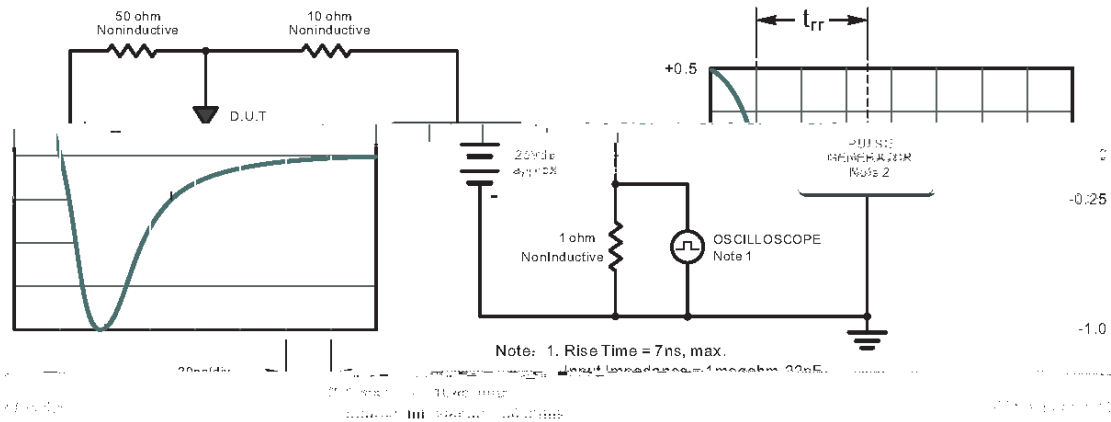


Fig.2 Maximum Average Forward Current Rating

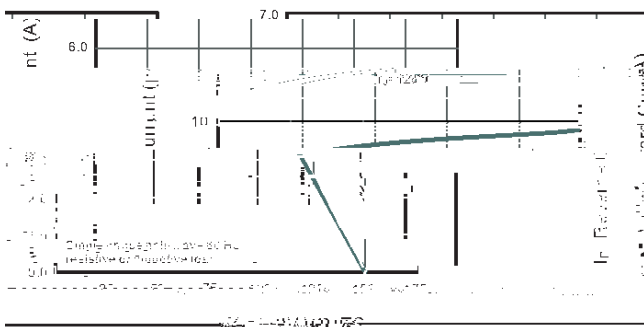


Fig.3 Typical Reverse C

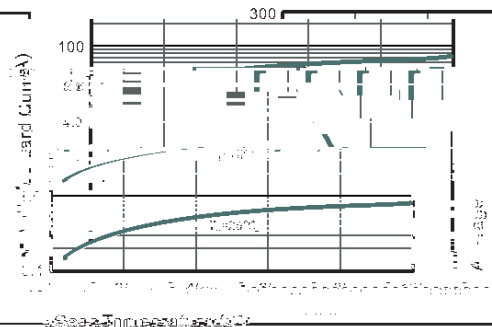


Fig.5 Typical Junction Capacitance

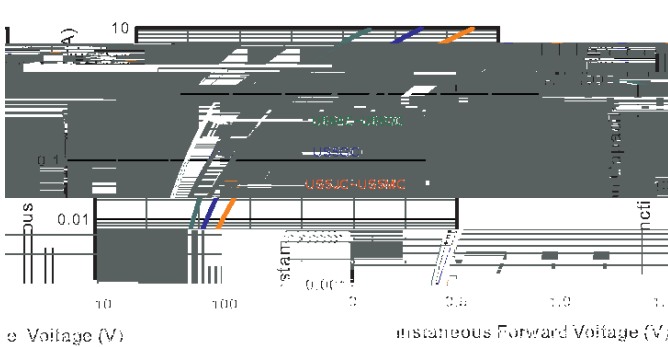


Fig.4 Typical Forward Characteristics

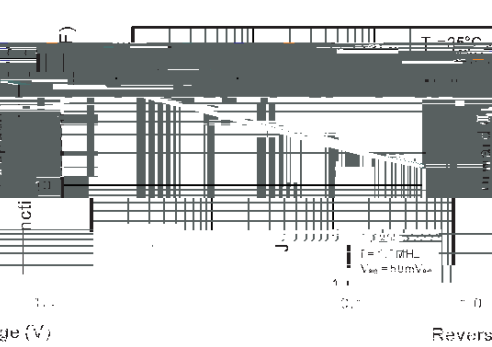
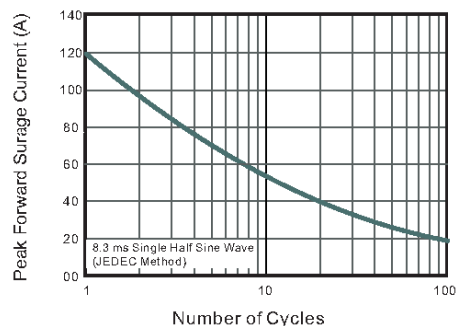
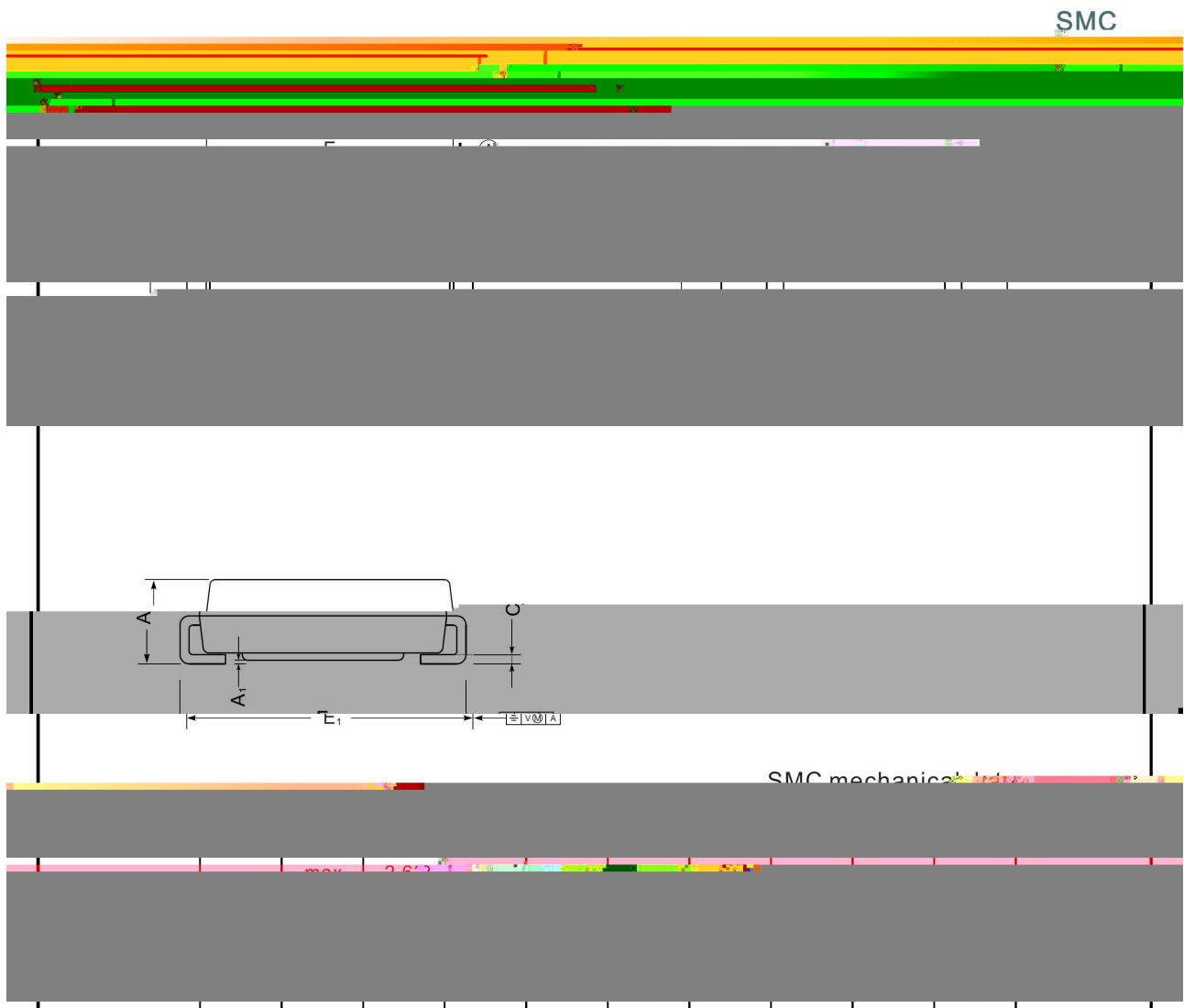


Fig.6 Maximum Non-Repetitive Peak Forward Surge Current



@ A B C ? / Package Dimensions



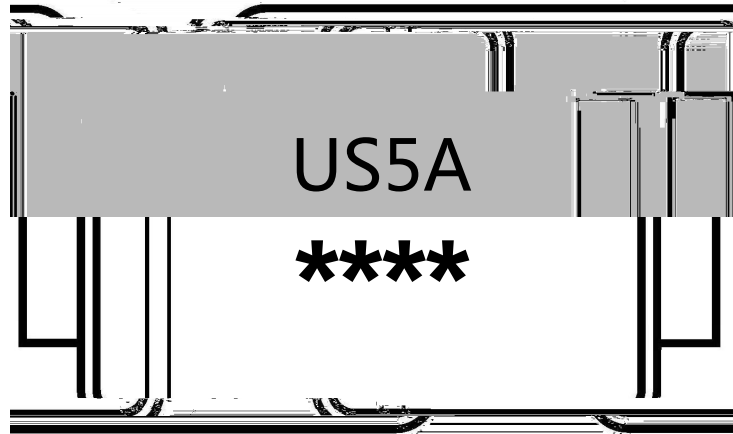


" # D E / Marking Instructions

Marking

Type number		Marking code	
US5AC	I	US5AC	I
US5AC	I	US5AC	I
US5AC	I	US5AC	I
US5AC	I	US5AC	I
US5AC	I	US5AC	I
US5AC	I	US5AC	I
US5AC	I	US5AC	I

" # D E / Marking Instructions



US5A

1 F

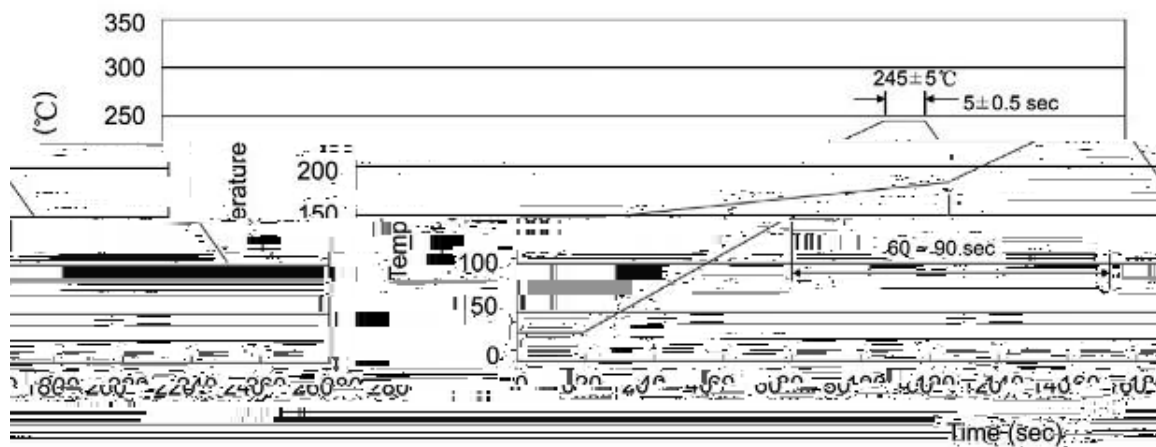
3 F

Note:

US5A Product Type Code

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

H I J K L = > ? (M N) / O P Q R P S T U V S P G W S X Y Z [P G Y X S G \] G] P Y [X ^ G _ X [` P S Z a b c W d e f S P P g



Note:

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|---|---------|-------------|---------------------------------------|
| 1 | 150 180 | 60 90sec;n | 1.Preheating:150~180 , Time:60~90sec. |
| 2 | 245±5 | 5 5±0.5sec; | 2.Peak Temp.:2 |