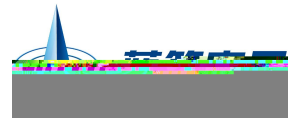


US3AC~US3MC

Rev.B Feb.-2021



DATA SHEET

/ Descriptions

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

/ Features

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

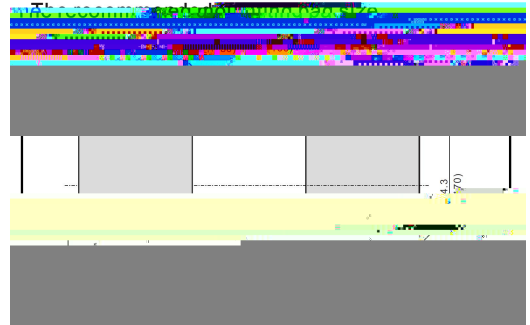
/ Applications

General purpose.

/ Equivalent Circuit



/ Pinning



/ Marking

See Marking Instructions.

Note:

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

参数 Parameter	参数符号 Symbol	测试条件 Test condition	数值 Rating						单位 Unit
			US3AC	US3BC	US3DC	US3GC	US3JC	US3KC	
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	$T_a=25^{\circ}C$	5.0						uA
		$T_a=125^{\circ}C$	100						

/ Electrical Characteristic Curve

Fig.1 Maximum Average Forward Current (I_{FM})



Fig.2 Typical Reverse Characteristics

Fig.3 Typical Forward Characteristics

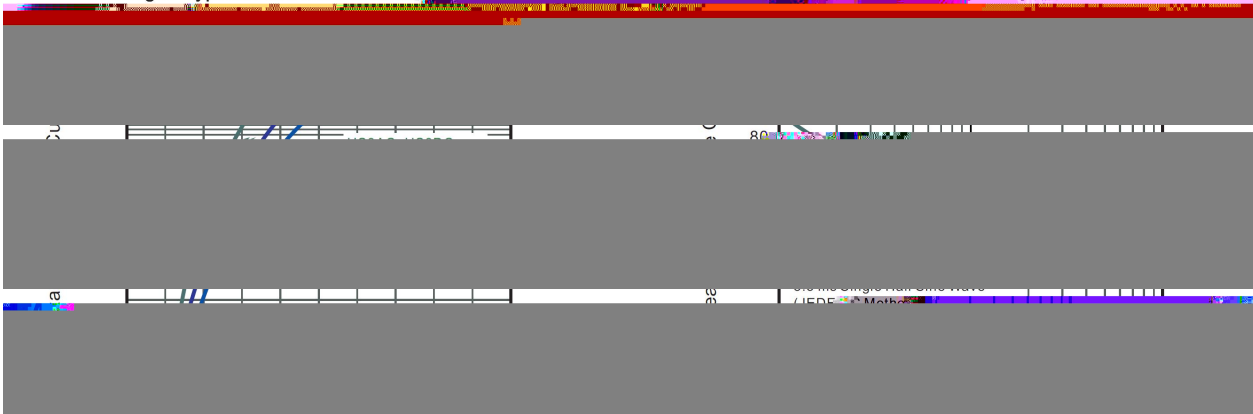
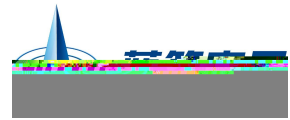
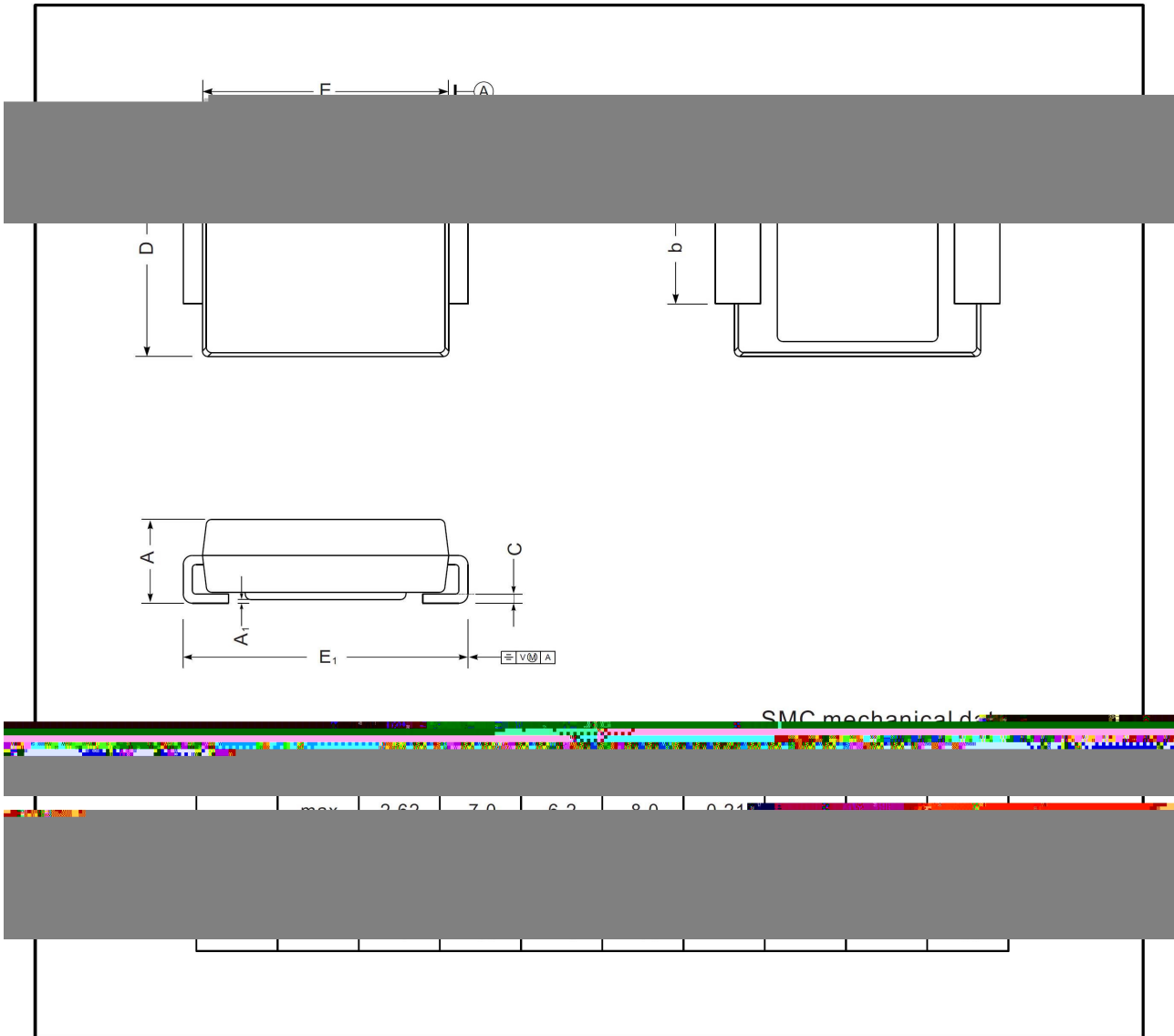


Fig.4 Maximum Non-Repetitive Peak



/ Package Dimensions

SMC

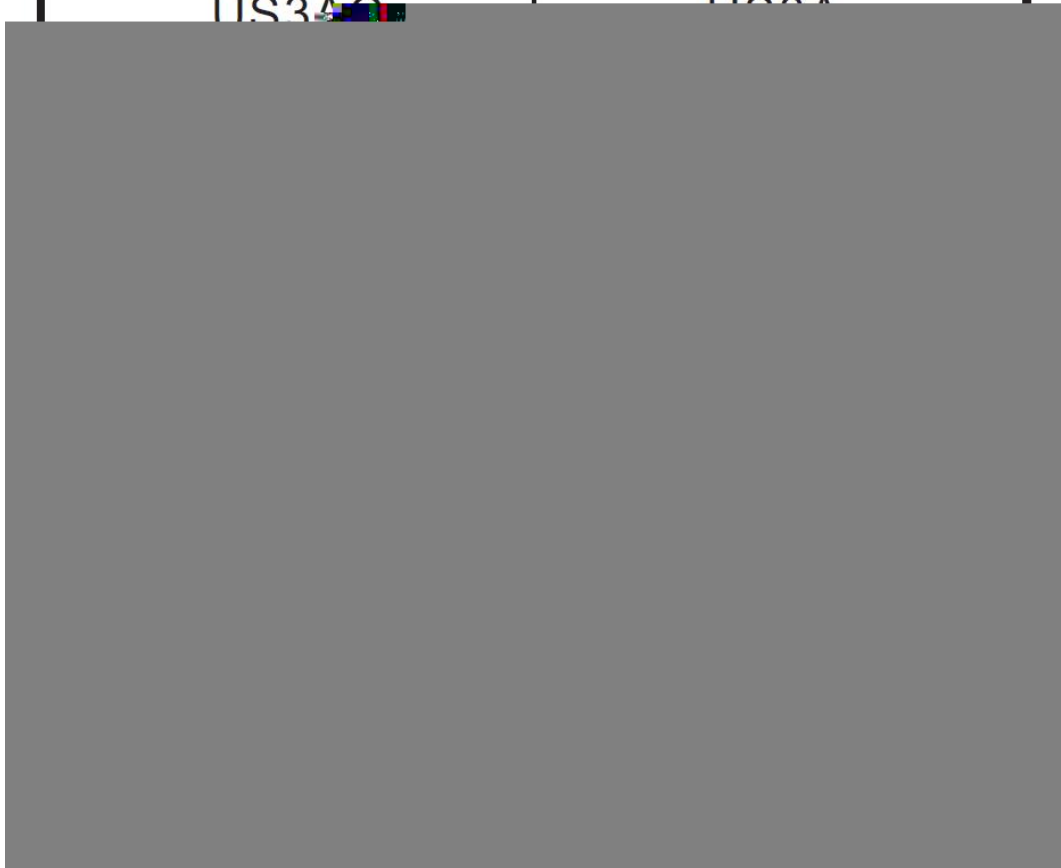


Symbol	Unit	Value
A	mm	max 2.63
A1	mm	7.0
B	mm	6.2
C	mm	8.0
D	mm	0.21
E	mm	6.2
E1	mm	14.2

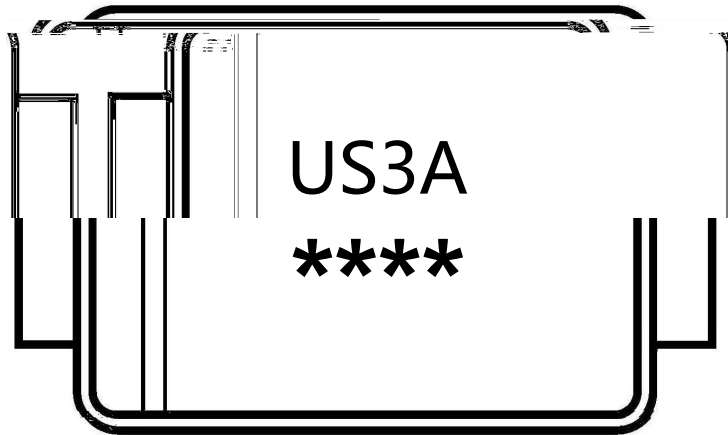
/ Marking Instructions

Marking

Type number	Marking code
US3AC	US3A



/ Marking Instructions



说明：

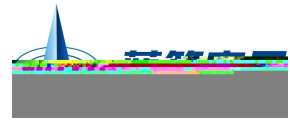
US3A：为型号代码

****：为生产批号追溯码，第1个为年月代码，后面3个为当月小批号代码

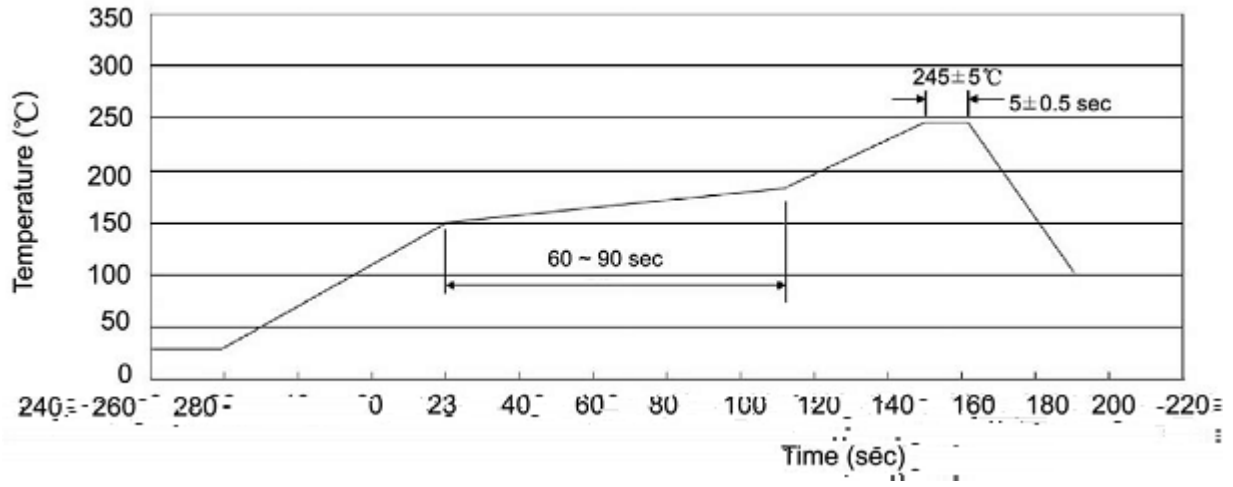
Note:

US3A：Product Type Code

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



() /



Note:

1 25 150