



/ Revised record

版本	修订日期	有修订的页码	修订涉及的内容	拟制	审核
A	2017-12				
B	2021-2-18	7	更新包装规格	黄超	刘晓荣

**/ Descriptions**

50V~1000V

3.0A SMC

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

/ Features

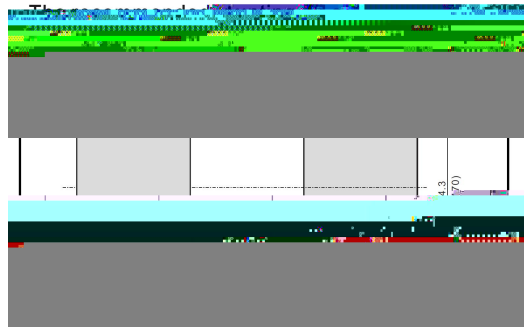
RoHS

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****/ Marking**

See Marking Instructions.

US3AC~US3MC

Rev.B Feb.-2021



DATA SHEET

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	US3MC	
Maximum Instantaneous Forward Voltage	V _F	I _F =3.0A	1.0			1.3	1.68			V
Maximum DC Reverse Current	I _R	T _a =25℃	5.0							uA
Maximum DC Blocking Voltage V _{BO}		T _a =125℃	100 aa							

/ Electrical Characteristic Curve

Fig.1 Maximum Average Forward Current (P_{avg})



Fig.2 Typical Reverse Characteristics



Fig.3 Typical Forward Characteristics

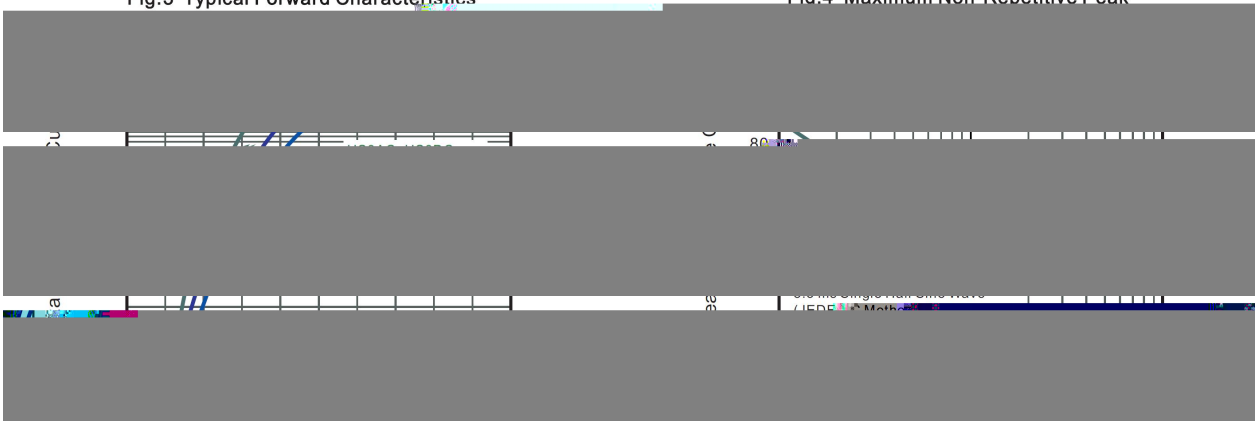
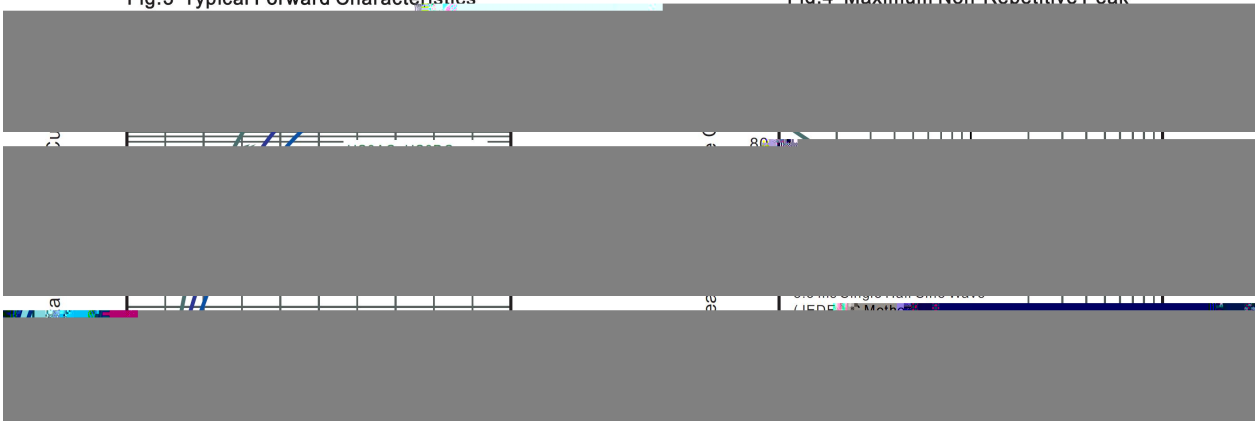
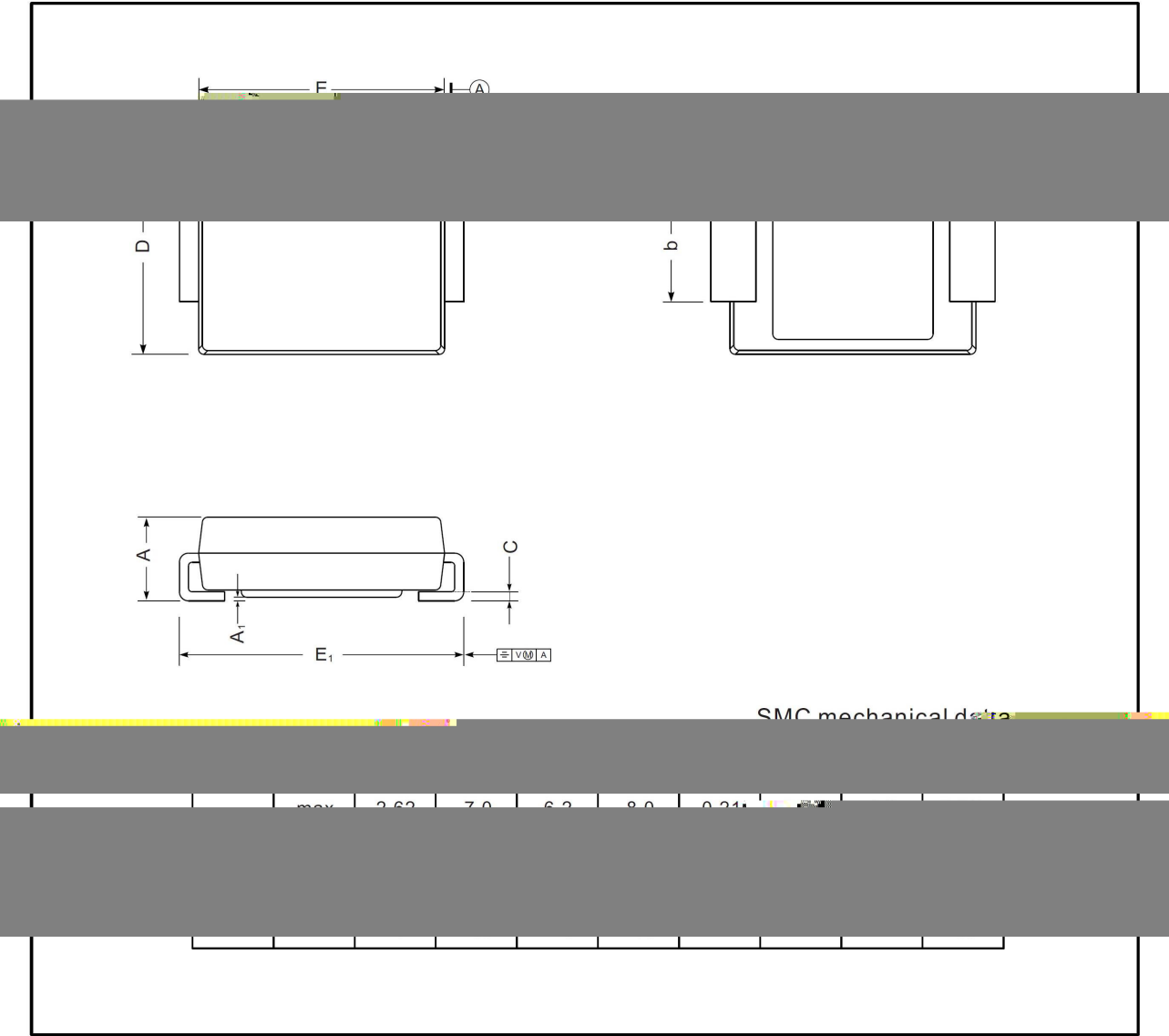


Fig.4 Maximum Non-Repetitive Peak



/ Package Dimensions

SMC



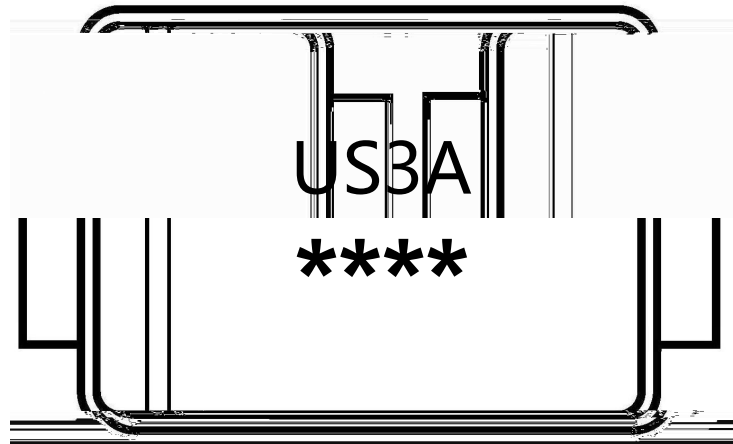


/ Marking Instructions

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

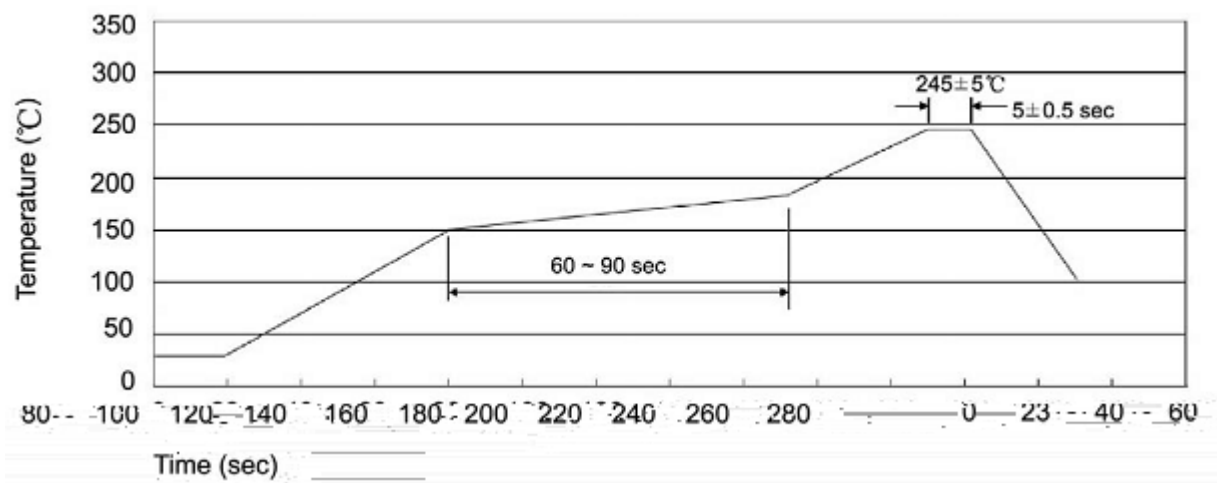
Note:

US3A： Product Type Code

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



() / Temperature Profile for IR Reflow Soldering(Pb-Free)



Note:

1 25 150