

/ Descriptions

50V~600V

5.0A SMBF

Surface Mount Ultrafast Recovery Rectifier, Reverse Voltage: 50 to 600V, Forward Current: 5.0A, SMBF package.

/ Features

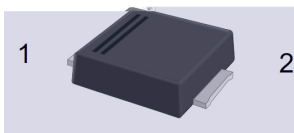
RoHS

2011/65/EU

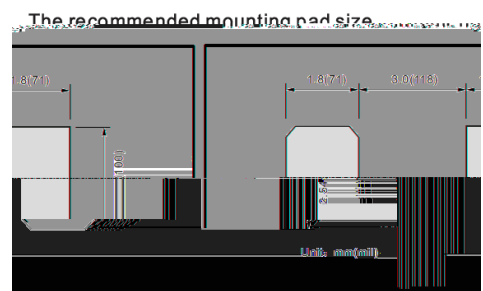
Glass Passivated Chip Junction High efficiency Lead free in comply with EU RoHS 2011/65/EU directives For surface mounted applications. Halogen free product.

/ Applications

General purpose.

/ Equivalent Circuit**/ Pinning**

PIN	DESCRIPTION
1	Cathode
2	Anode

**/ Marking**

See Marking Instructions.

/ Absolute Maximum Ratings(Ta=25)

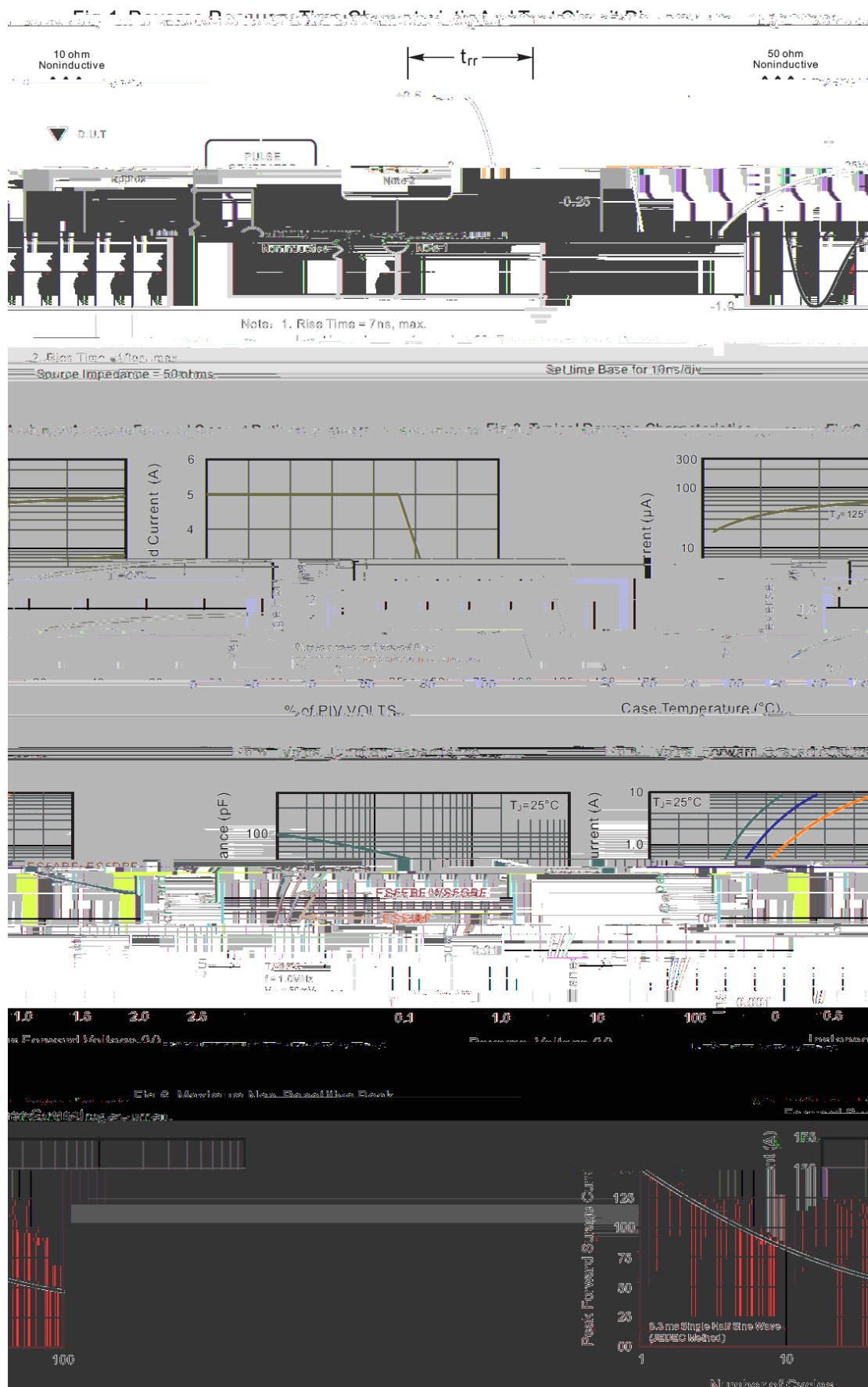
Parameter	Symbol	Rating	Maximum DC Unit
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Note:

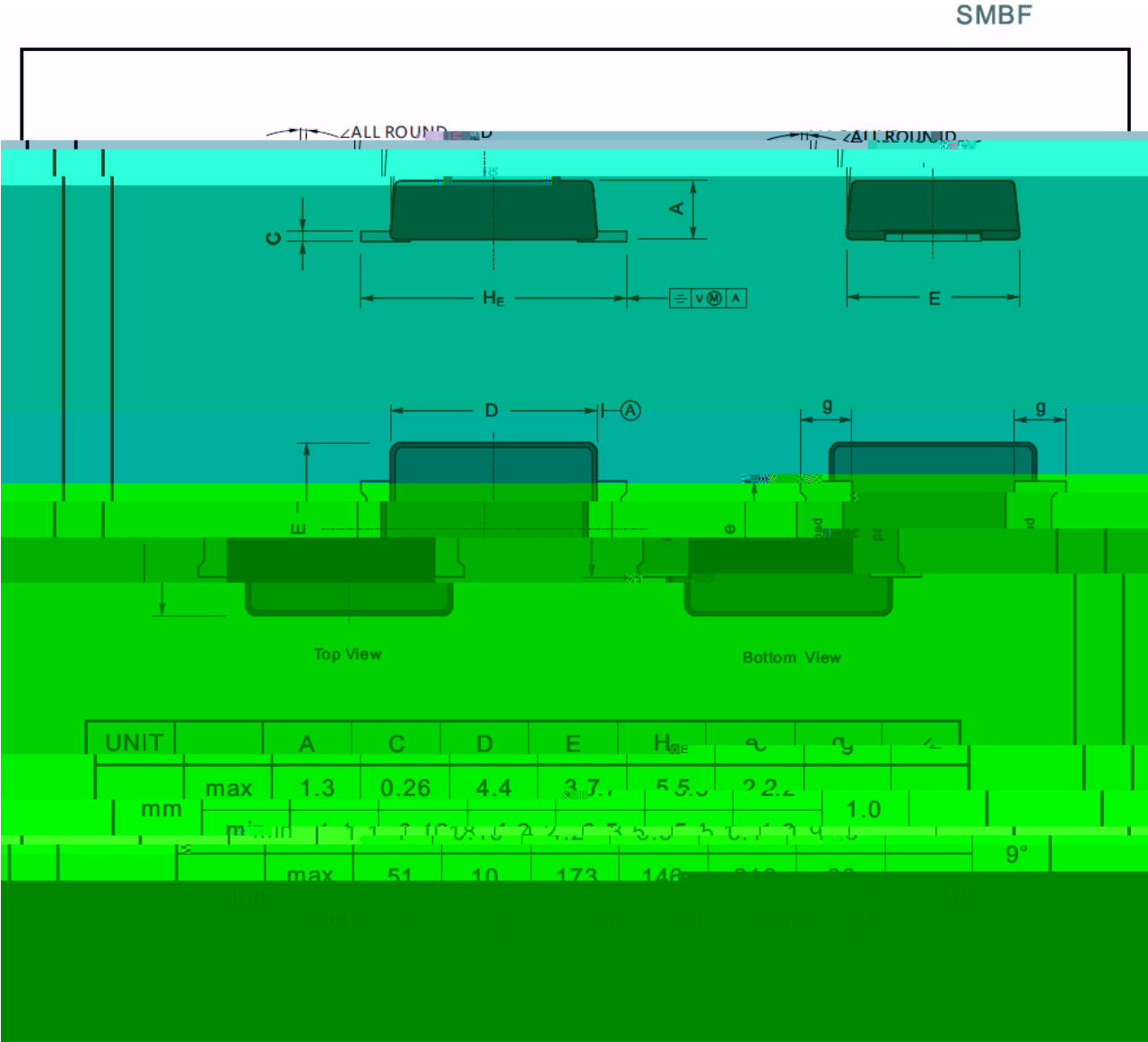
(1) P.C.B. mounted with 2.0" X 2.0" (5 X 5 cm) copper pad areass .

Parameter	Symbol	Test condition		Rating						Unit
				ES5ABF	ES5BBF	ES5CBF	ES5DBF	ES5EBF	ES5GBF	
Maximum Instantaneous Forward Voltage	V _F		I _F =5.0A	1.0			1.25		1.7	V
Maximum DC Reverse Current at Rated DC Blocking Voltage	I _R		T _a =25	10.0						uA
			T _a =125	100						
Maximum Reverse Recovery Time	T _{rr}		I _F =0.5A I _R =1.0A I _{rr} =0.25A	35						ns

/ Electrical Characteristic Curve



/ Package Dimensions



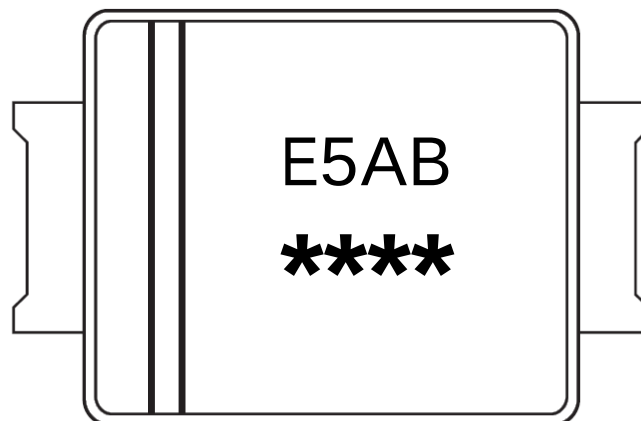


/ Marking Instructions

Marking

Type number	Marking code
E5ABF	E5ABF
E5BB	ES5BBF
E5CB	ES5CBF
E5DB	ES5DBF
E5EBF	E5EB
ES5GBF	E5GB
ES5JBF	E5JB

/ Marking Instructions



E5AB

1 *

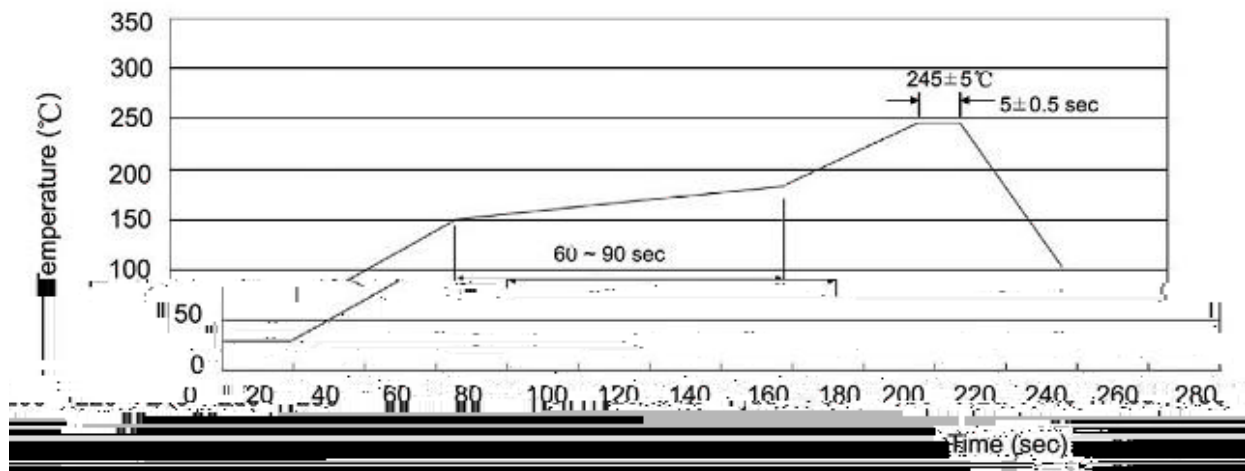
3 *

Note:

E5AB 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 | 150 | 180 | 60 | 90sec; | 1.Preheating:150~180 , 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. |