

Rev.B May.-2019

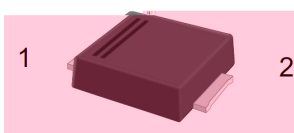
50V~600V 5.0A SMBF

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

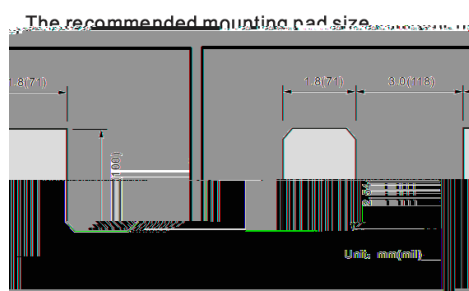
RoHS 2011/65/EU

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

General purpose.



PIN	DESCRIPTION
1	Cathode
2	Anode



See Marking Instructions.

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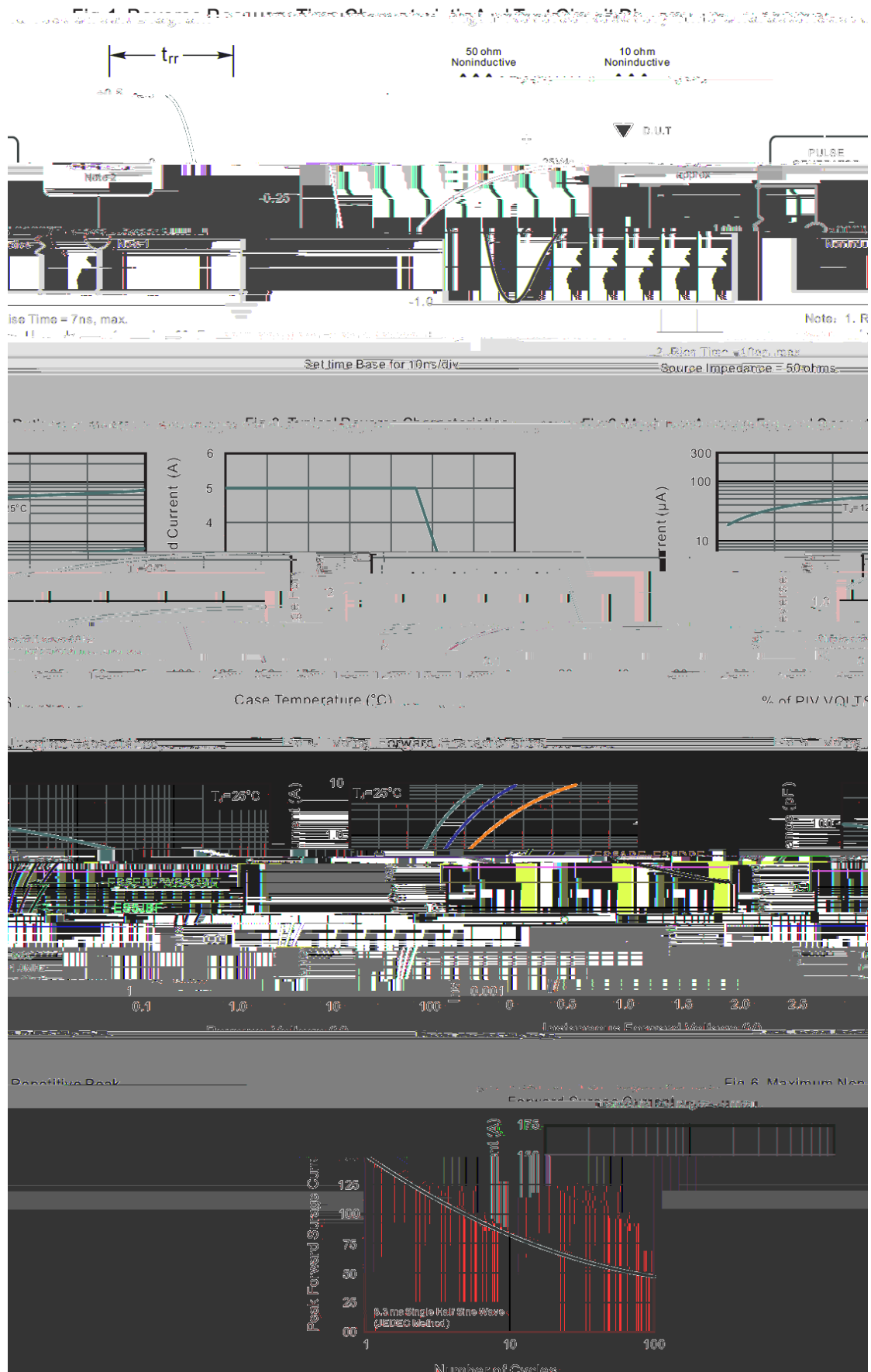
Parameter	Symbol	Rating	Maximum DC Unit
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Note:

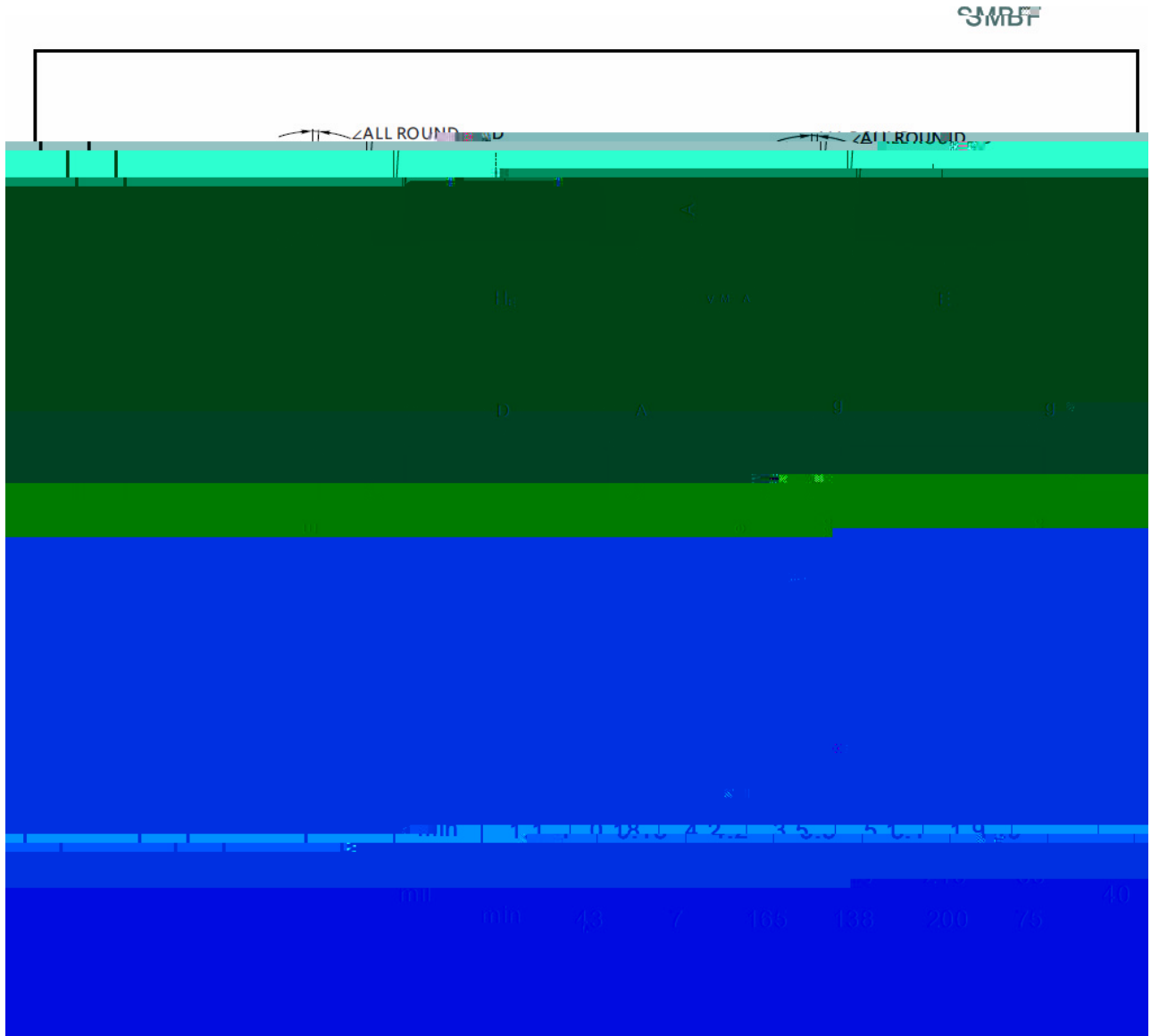
(1) P.C.B. mounted with 2.0" X 2.0" (5 X 5 cm) copper pad areass .

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	

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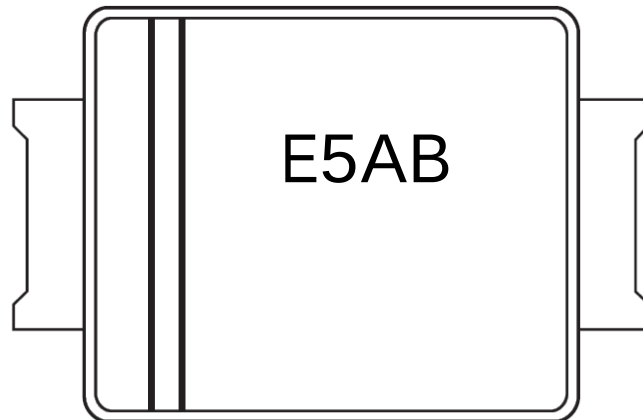


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Marking

Type number	Marking code
E5BB	ES5BBF
E5CB	ES5CBF
E5EB	ES5EBF
E5GB	ES5GBF
E5JB	ES5JBF



E5AB

1 *

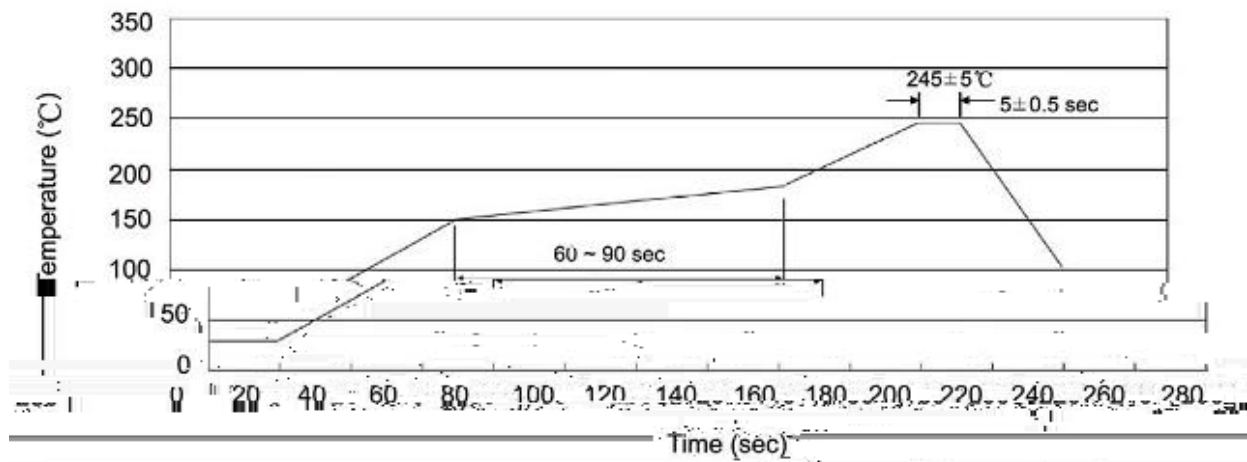
3 *

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;
- 2 245±5 5±0.5sec;
- 3 2 10 /sec.

- 1.Preheating:150~180 , Time:60~90sec.
- 2.Peak Temp.:245±5 , Duration:5±0.5sec.
3. Cooling Speed: 2~10 /sec.