

/ Descriptions

50V~1000V

2.0A

SMBF

Surface Mount Superfast Recovery Rectifier,Reverse Voltage: 50 to1000V,Forward Current:2.0A, SMBF thin package.

/ Features

RoHS

2011/65/EU

Glass Passivated Chip Junction,Fast reverse recovery time,Lead free in comply with EU R0HS 2011/65/EU directives,For surface mounted applications.Halogen free product.

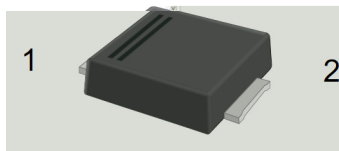
/ Applications

General purpose.

/ Equivalent Circuit

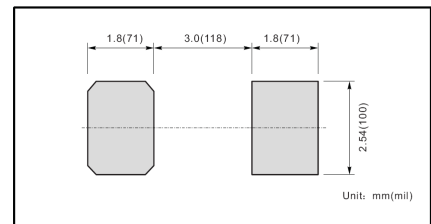


/ Pinning



PIN	DESCRIPTION
1	Cathode
2	Anode

The recommended mounting pad size



/ Marking

See Marking Instructions.

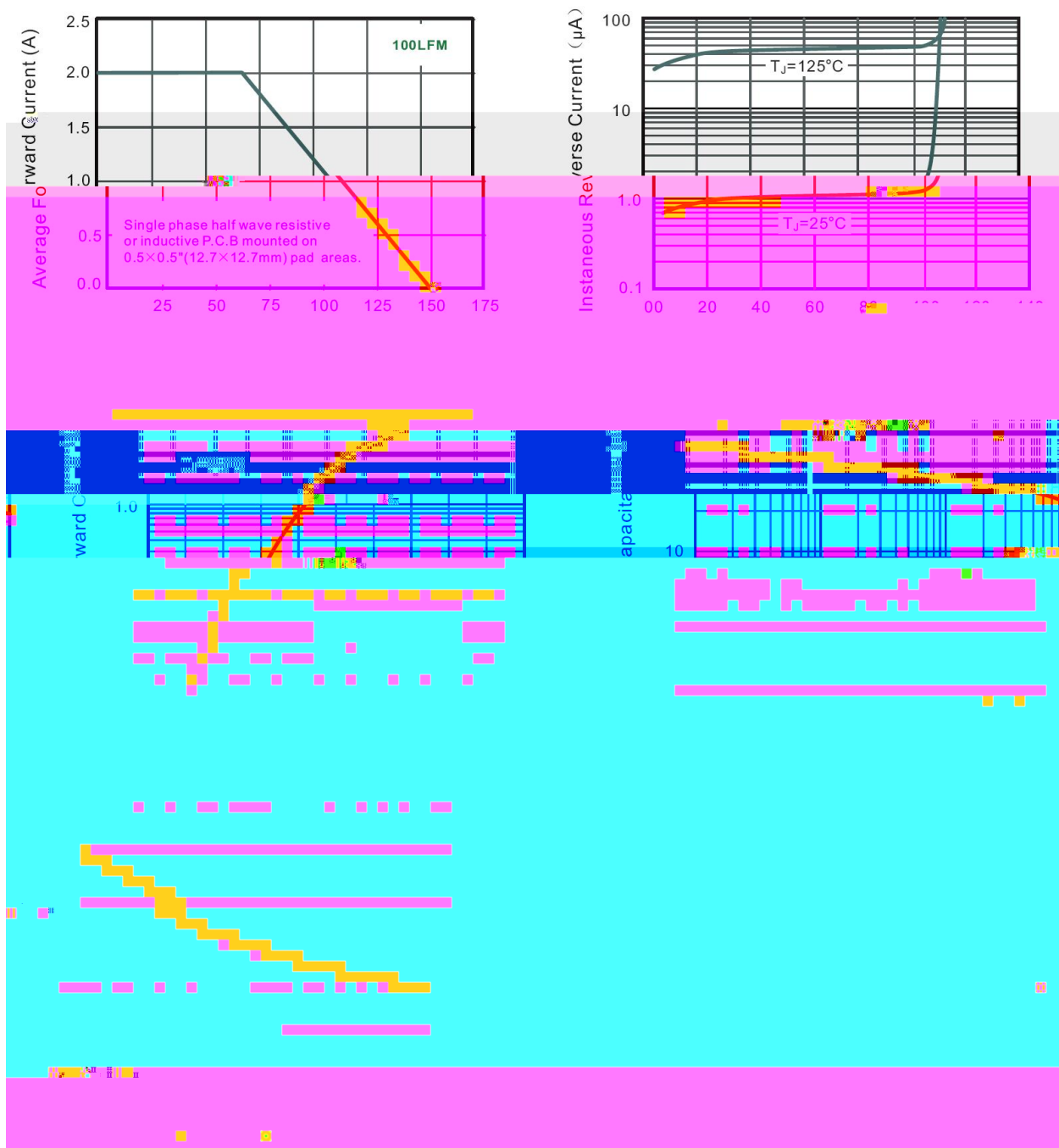
RS2ABF~RS2MBF

Rev.E May.-2019

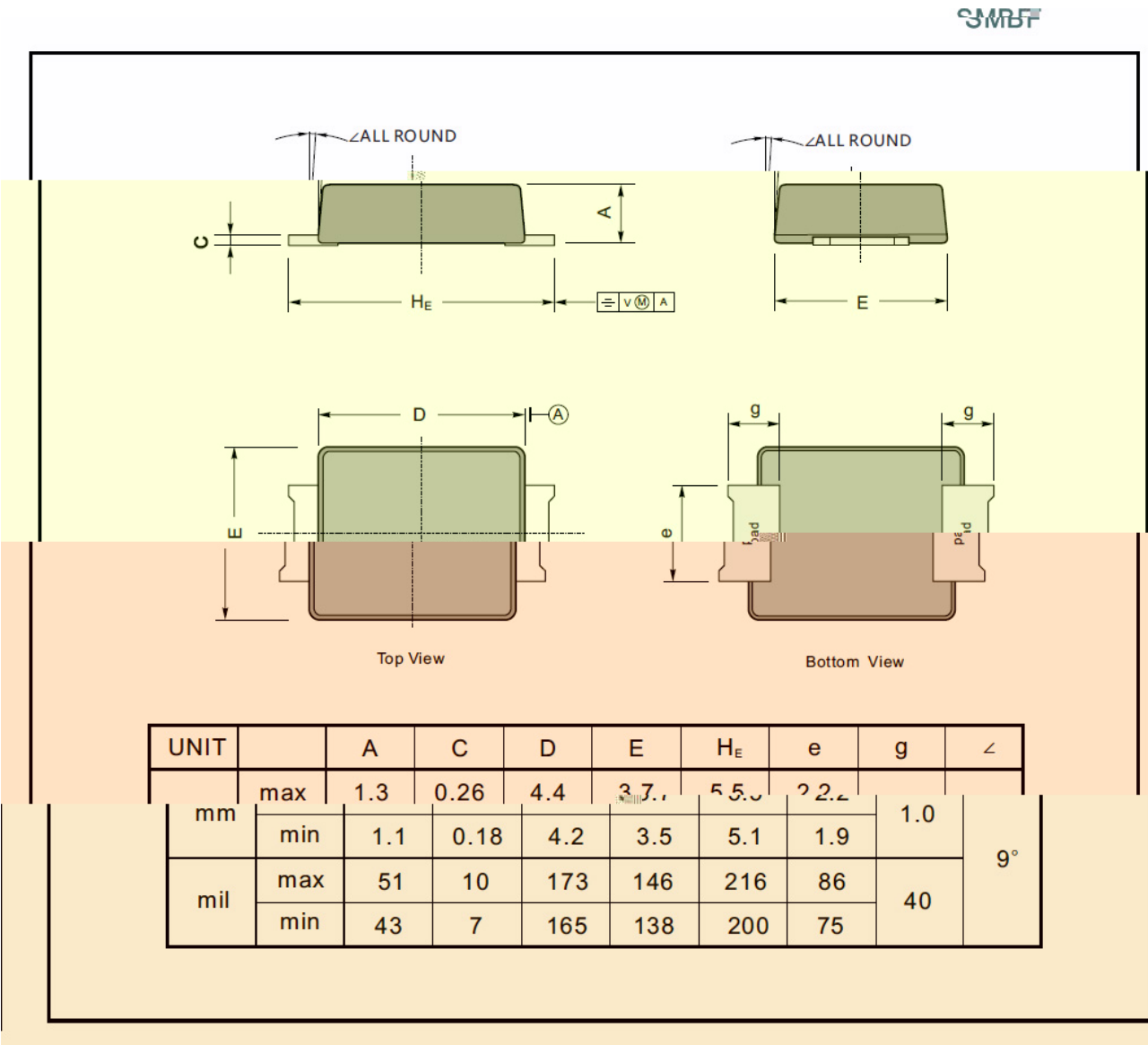
Parameter	Symbol	Rating							Unit
		RS2ABF	RS2BBF	RS2DBF	RS2GBF	RS2JBF	RS2KBF	RS2MBF	
Maximum Repetitive Peak Reverse Voltage	V _{RRM}	50	100	200	400	600	800	1000	V
Maximum RMS voltage	V _{RMS}	35	70	140	280	420	560	700	V
Maximum DC Blocking Voltage	V _{DC}	50	100	200	400	600	800	1000	V
Maximum Average Forward Rectified Current at T _a = 65°C	I _{F (AV)}	2.0							A
Peak Forward Surge Current 8.3 ms Single Half Sine Wave Superimposed on Rated Load (JEDEC Method)	I _{FSM}	50							A
Typical Junction Capacitance _{at VR=4V, f=1MHz}	C _j	28							pF
Typical Thermal Resistance ₂₎	R _{Θja}	60							°C/W
	R _{ΘJC}	18							



/ Electrical Characteristic Curve



/ Package Dimensions





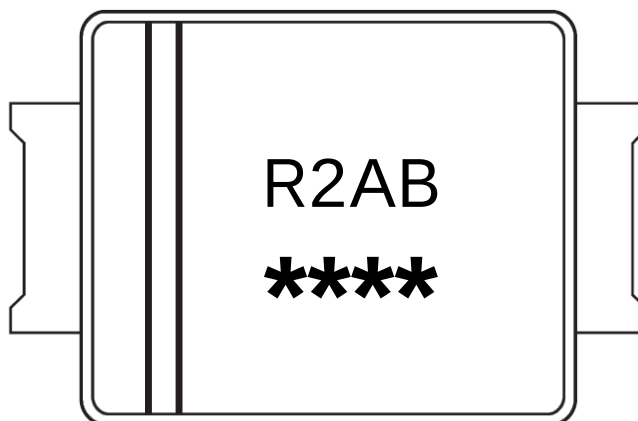
/ Marking Instructions

Marking

Type number	Marking code
R2AB	RS2ABF
R2BB	RS2BBF
R2DB	RS2DBF
R2GB	RS2GBF
R2JB	RS2JBF
R2KB	RS2KBF
R2MB	RS2MBF



/ Marking Instructions



R2AB

1 *

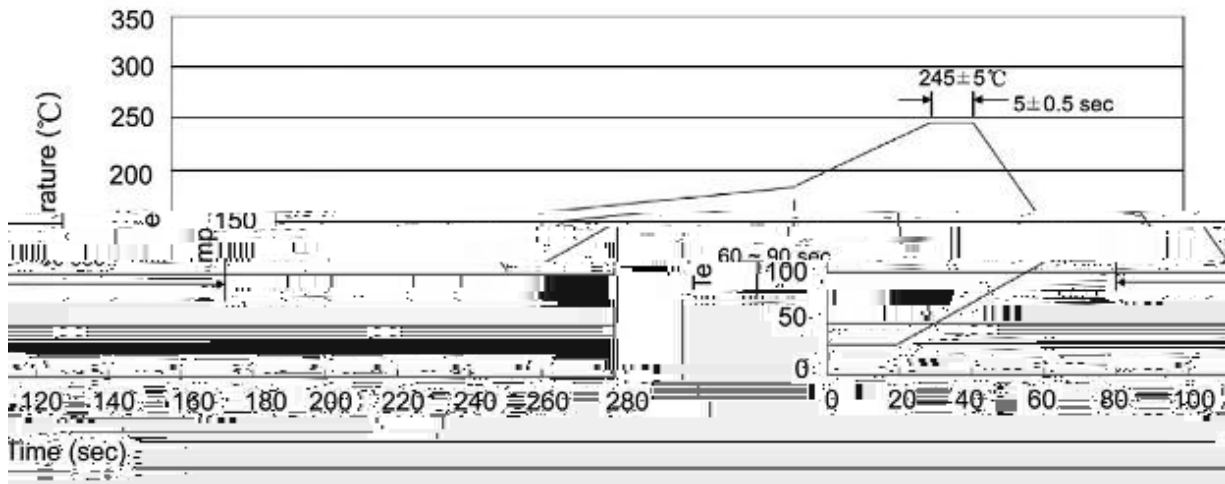
3 *

Note:

R2AB Product Type Code

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

() /



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.

/ Resistance to Soldering Heat Test Conditions

260±5 10±1 sec. Temp.:260±5 Time:10±1 sec

/ Packaging SPEC.

/ REEL

Package Type 封装形式	Units 包装数量					Dimension 包装尺寸 (unit: mm ³)		
	Units/Reel 只/卷盘	Reels/Inner Box 卷盘/盒	Units/Inner Box 只/盒	Inner Boxes/Outer Box 盒/箱	Units/Outer Box 只/箱	Reel	Inner Box 盒	Outer Box 箱
SMBF	5000	2	10000	5	50000	13" ×15	336X336X40	345X345X235

/ Notices