

RS3MAF
Rev. F Aug.-2018



DATA SHEET

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Parameter	Symbol	Rating	Unit
Maximum Repetitive Peak Reverse Voltage	V_{RRM}	1000	V
Maximum RMS voltage	V_{RMS}	700	V
Maximum DC Blocking Voltage	V_{DC}	1000	V
Maximum Average Forward Rectified Current at $T_c = 100$	$I_{F\ AV}$	3.0	A
Peak Forward Surge Current 8.3 ms Single Half Sine Wave Superimposed on Rated Load (JEDEC Method)	I_{FSM}	80	A
Typical Junction Capacitance at ¹	C_j	60	pF
		50	/W
Operating and Storage Temperature Range	T_j, T_{stg}	-55~+150	

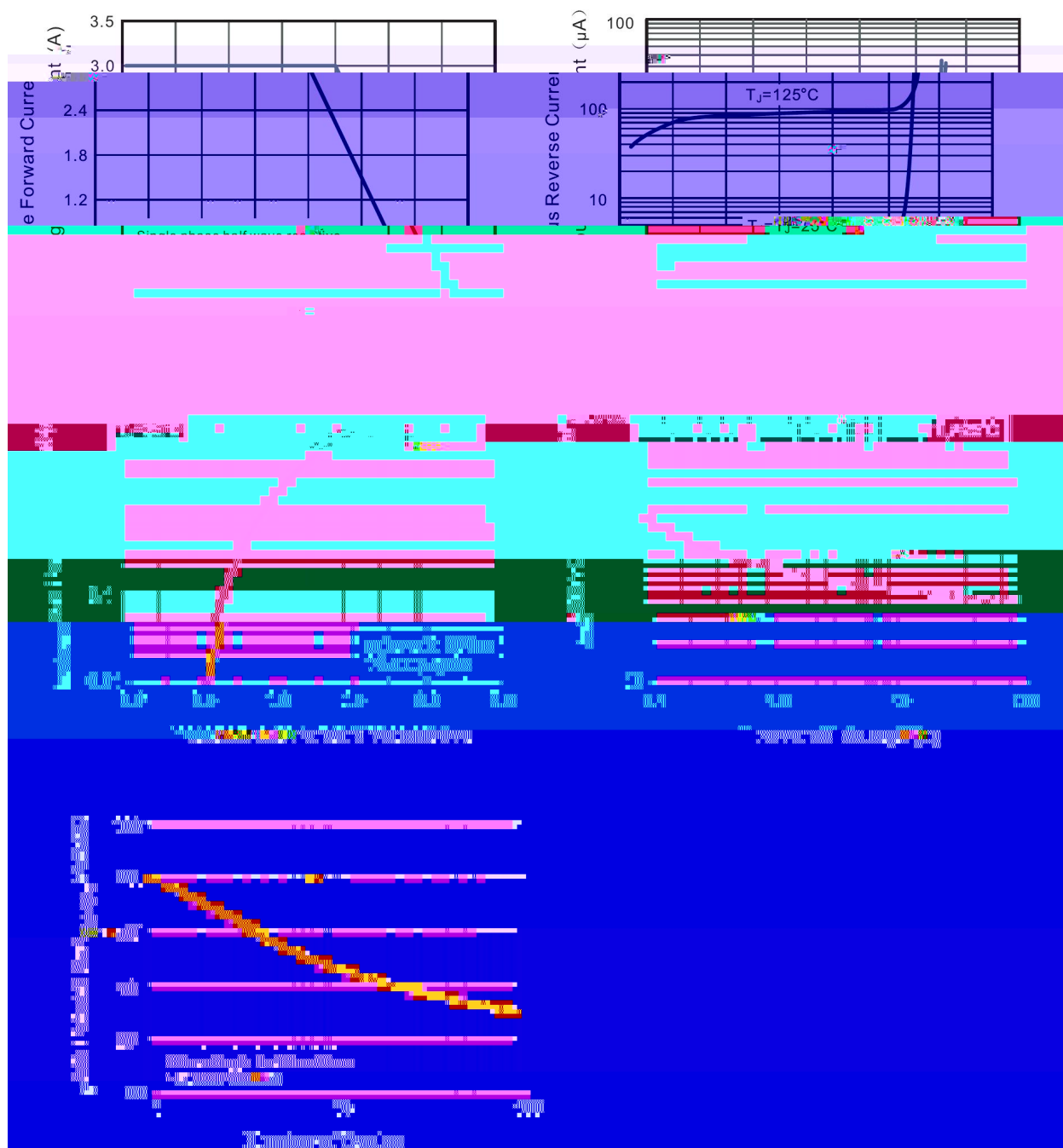
Note:

- 1) Measured at 1MHz and applied reverse voltage of 4V D.C.
- 2) P.C.B. mounted with 1.0 X 1.0" (2.54 X 2.54 cm) copper pad areas.

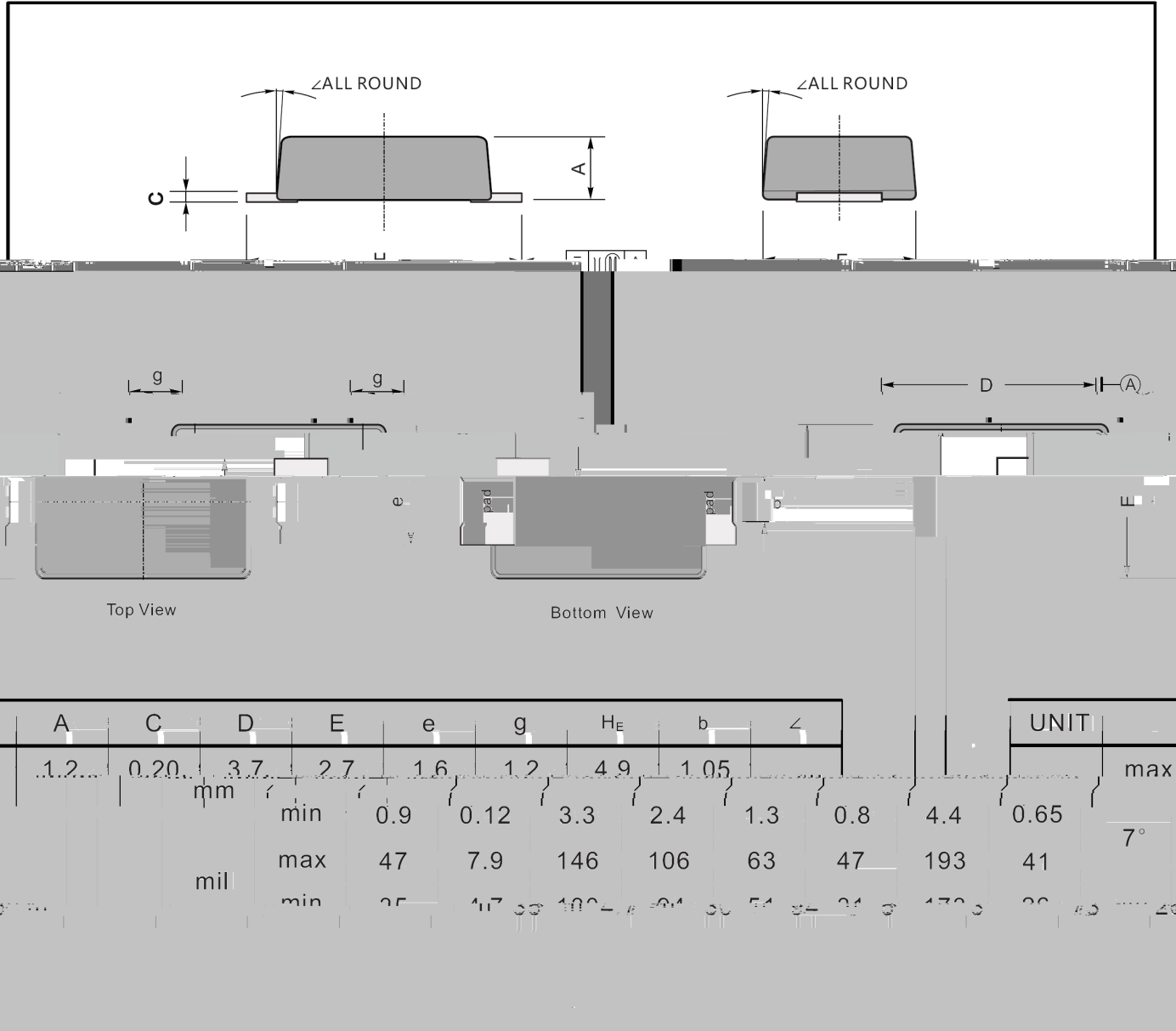
Parameter	Symbol	Test Conditions	Rating	Unit
Maximum Instantaneous Forward				

Maximum DC Reverse Current at Rated DC Blocking Voltage	I_R	T _a =25	0.001	μA
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Electrical Characteristic Curve



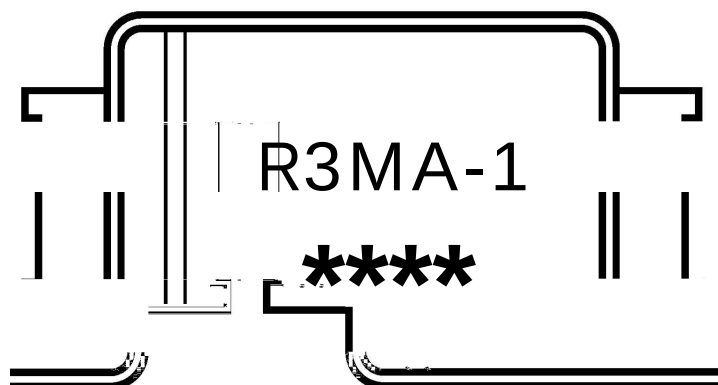
/ Package Dimensions



/ Marking Instructions

Type number	Marking code
RS3MAF	R3MA-1

/ Marking Instructions



R3MA-1

1 *

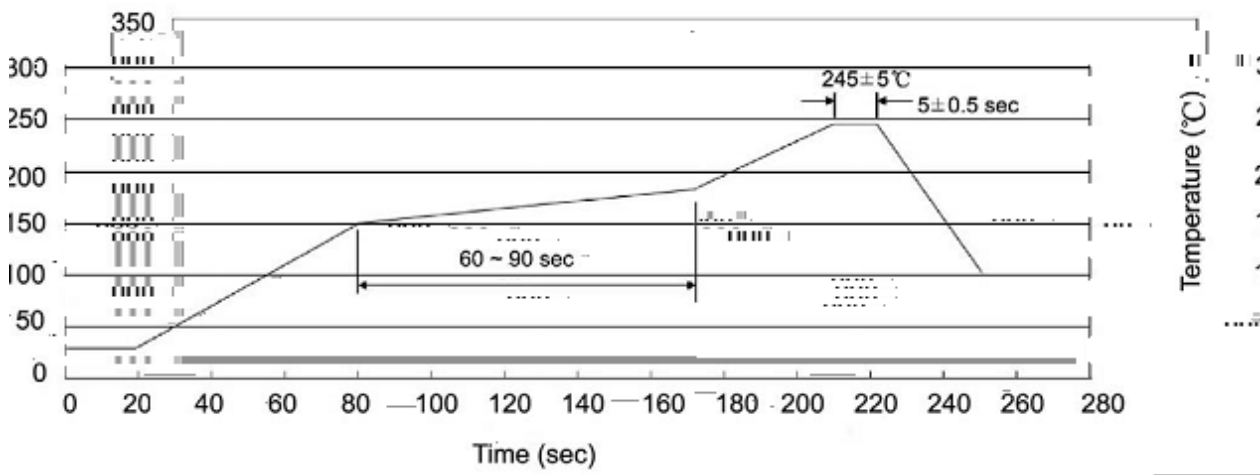
3 *

Note:

R3MA-1 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.

/ 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
SMAF	3000	5	15000	5	75000	7 ×11	185X180X105	390X385X205

/ Notices