

BRS2AFQ~BRS2MFQ

Rev.A Jun.-2024



DATA SHEET

50V ~ 1000V

2.0A SMAF

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Note:

- 1 Measured at 1 MHz and applied reverse voltage of 4 V D.C
- 2 P.C.B. mounted with 2.0 X 2.0" (5 X 5 cm) copper pad areas.

Parameter	Symbol	Test condition	Rating	Unit
Maximum Instantaneous Forward Voltage	V_F	$I_F=2.0A$	1.1	V
Maximum DC Reverse Current at Maximum DC Blocking Voltage	I_R	$T_a=25$	5.0	uA
		$T_a=125$	100	

/ Electrical Characteristic Curve

Fig.1 Forward Current Derating Curve

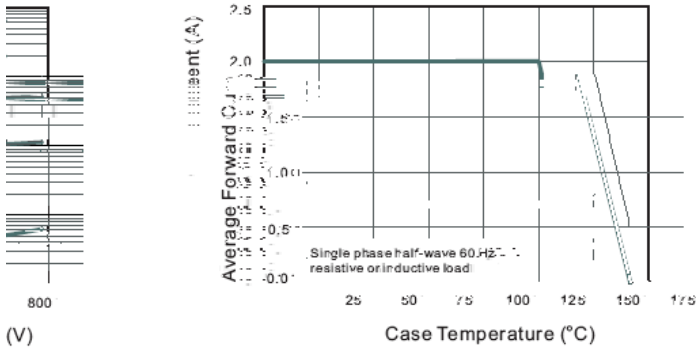
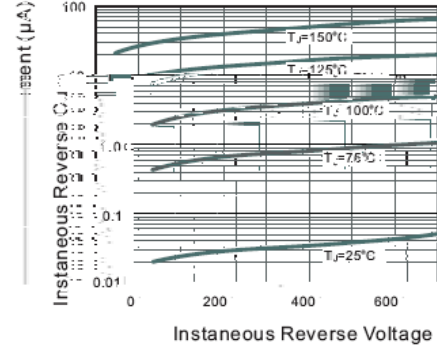


Fig.2 Typical Instantaneous Reverse Current



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Fig.3 Typical Forward Characteristic

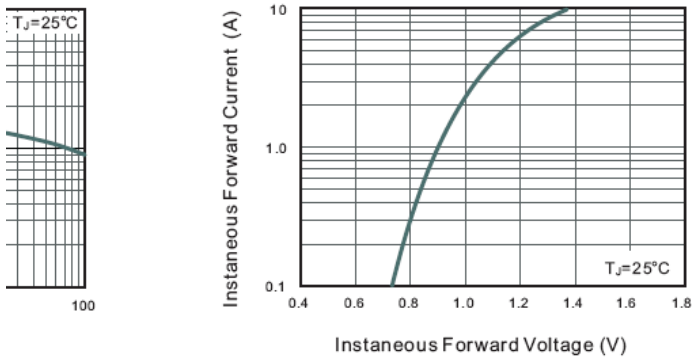


Fig.4 Typical Junction Capacitance

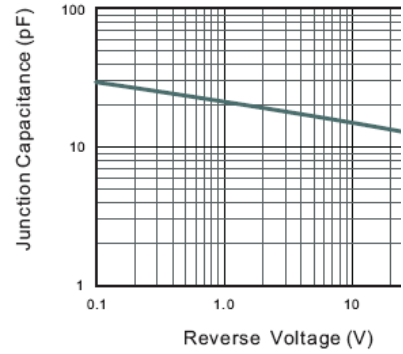
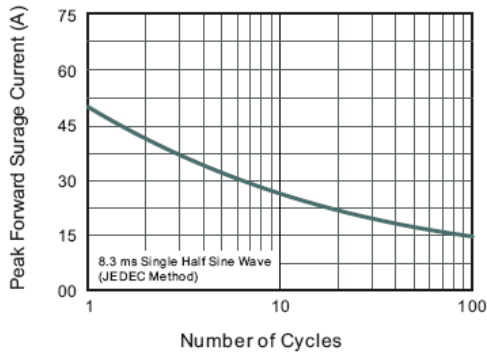
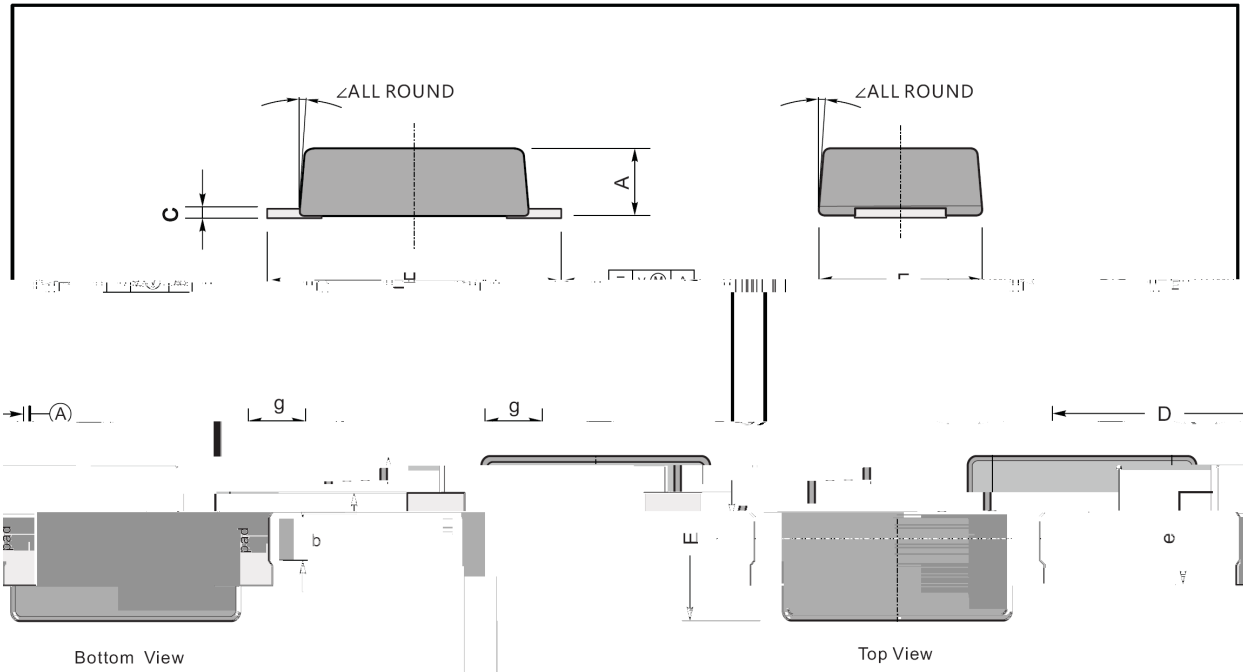


Fig.5 Maximum Non-Repetitive Peak Forward Surge Current



/ Package Dimensions



g	H _E	b	∠
1.2	4.9	1.05	
3.3	2.4	1.3	0.8
146	106	63	47
120	24	54	31

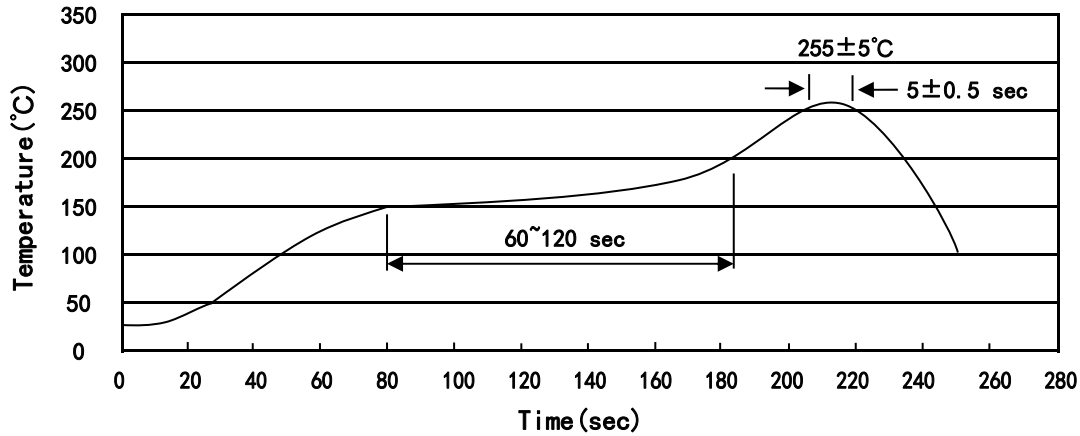
UNIT	A	C	D	E	e
	max	0.20	3.7	2.7	1.6
		min		0.9	0.12
7°		mil		max	47
				min	25

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



Note:

- 1 150 200 60 120sec; 1.Preheating:150~200 , Time:60~120sec.
- 2 255±5 5±0.5sec; 2.Peak Temp.:255±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	3,000	5	15,000	6	90,000	7 x12	185x180x105	390x385x205

/ Notices