

/ Descriptions

50V~1000V

2.0A

SMAF

Surface Mount Fast Recovery Rectifiers, Reverse Voltage 50 to1000V,Forward Current:2.0A ,SMAF thin package.

/ Features

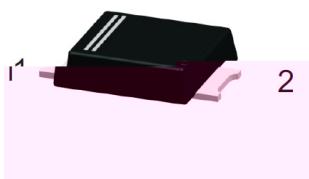
RoHS

2011/65/EU

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

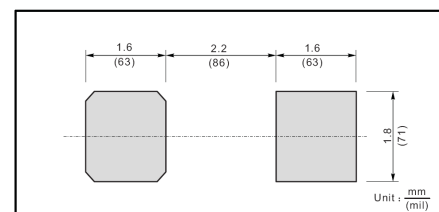
/ Applications

General purpose.

/ Equivalent Circuit**/ Pinning**

PIN	DESCRIPTION
1	Cathode
2	Anode

The recommended mounting pad size

**/ Marking**

See Marking Instructions.

RS2AF~RS2MF

Rev.F May.-2019



蓝箭电子
BLUE ROCKET ELECTRONICS

DATA SHEET

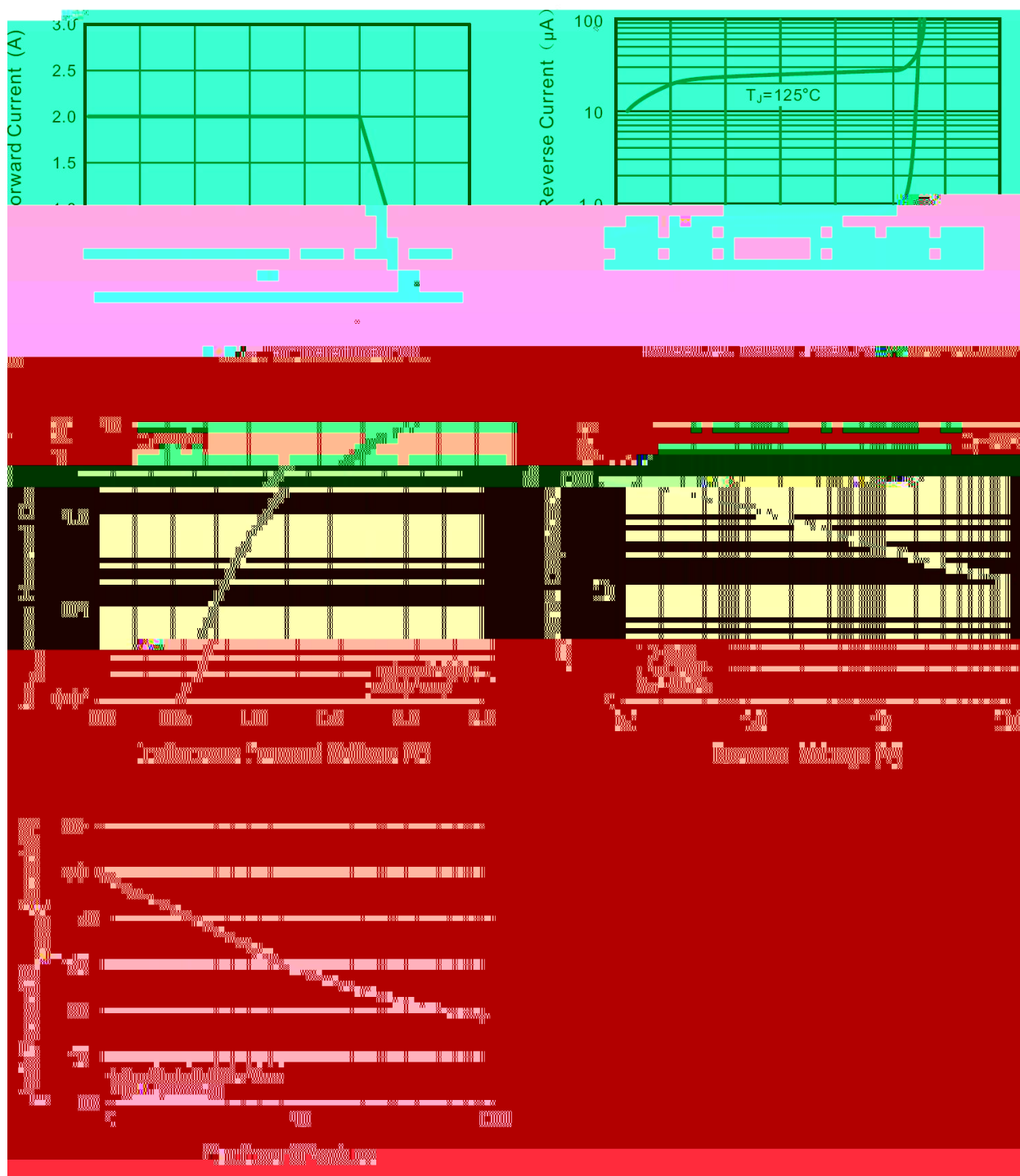
Parameter	Symbol	Rating							Unit
		RS2AF	RS2BF	RS2DF	RS2GF	RS2JF	RS2KF	RS2MF	
Maximum Repetitive Peak Reverse Voltage	V_{RRM}	50	100	200	400	600	800	1000	V
Maximum RMS voltage	V_{RMS}	35	70	140	280	420	560	700	V
Maximum DC Blocking Voltage	V_{DC}	50	100	200	400	600	800	1000	V
Maximum Average Forward Rectified Current at $T_a = 125^{\circ}C$	$I_{F(AV)}$	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	θ_{JA}	35							pF
		60							$^{\circ}C/W$
		-55~+150							$^{\circ}C$

meas.

数值 Rating	Unit
RS2DF RS2GF RS2JF RS2KF RS2MF	



/ Electrical Characteristic Curve



/ Package Dimensions



e	g	H _E	b	∠	UNIT	A	C	D	E
0.6	1.2	4.9	1.05	7°	max	1.2	0.20	3.7	2.7
0.12	3.3	2.4	1.3	0.8	mm	min	0.9	0	0
7.9	146	106	63	47	mil	max	47	7	7
0.12	3.3	2.4	1.3	0.8	mm	min	0.9	0	0
7.9	146	106	63	47	mil	max	47	7	7



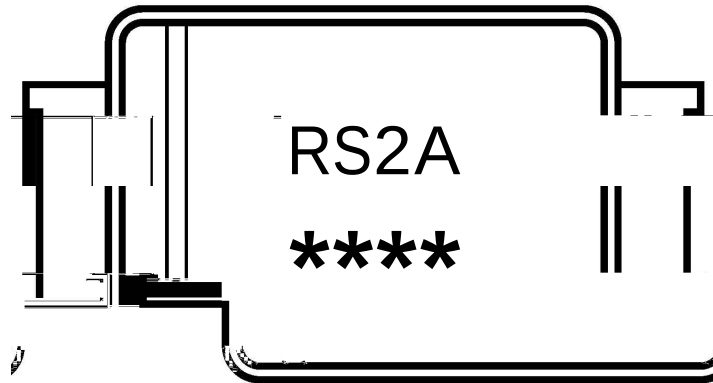
/ Marking Instructions

Marking

Type number	Marking code
RS2AF	RS2A
RS2BF	RS2B
RS2DF	RS2D
RS2GF	RS2G
RS2JF	RS2J
RS2KF	RS2K
RS2MF	RS2M



/ Marking Instructions



RS2A

1

3

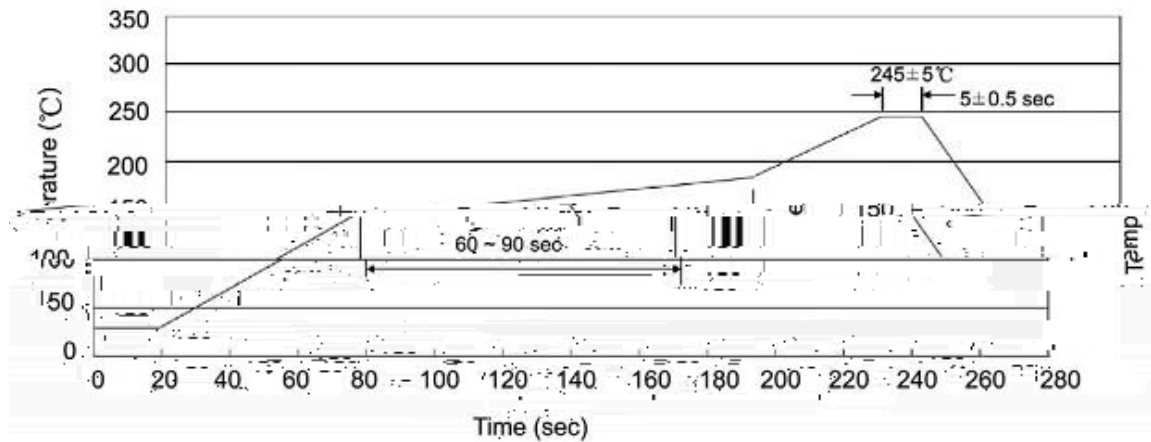
Note:

RS2A Product Type Code

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



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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