

四川旭茂微科技有限公司

Sichuan Xu Mao Micro Technology Co.,Ltd

# S2MF

### Rectifier diode Reverse Voltage1000v Forward current-2A

### Features

Glass passivated chip High surge current capability Ldeal for surface mounted applications Low power loss, high efficiency Plastic Case Material has UL Flammability

#### Mechanical Data

Package: SMAF Terminals:Tin Plated leads, solderable per Mil-STD-750 Method 2026 Polarity: As marked Molding compound meets UL 94 V-0 flammability rating, ROHS-compliant

#### Maximum Ratings (Ta=25 °C Unless otherwise specified)

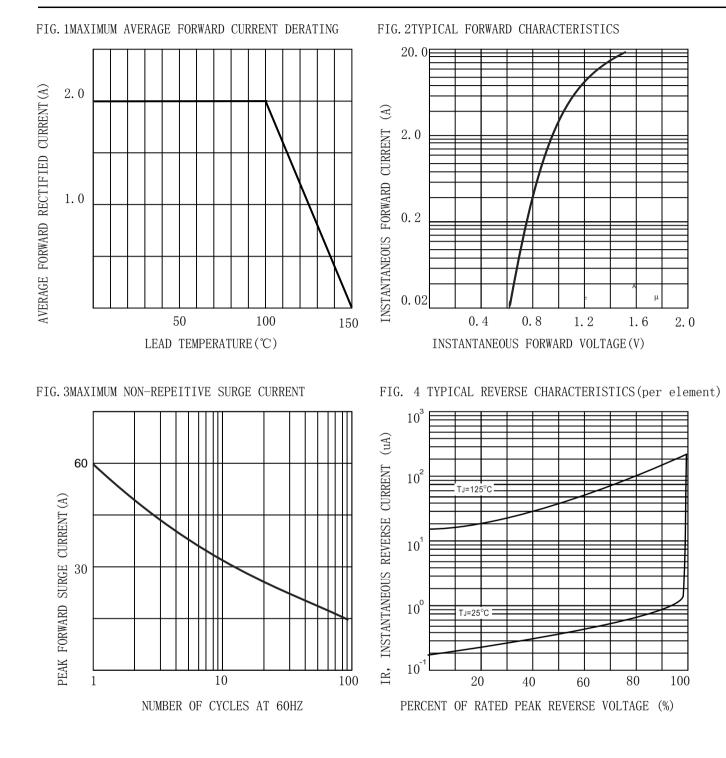
Type Number	SYMBOL	S2MF	Umit	
Maximum Recurrent Peak Reverse Voltage	V <sub>RRM</sub>	1000	V	
Maximum RMS Voltage	V <sub>RMS</sub>	700	V	
Maximum DC Blocking Voltage	V <sub>DC</sub>	1000	V	
Maximum Average Forward Rectified Current	IO <sub>(AV)</sub>	2.0	А	
Peak Forward Surge Current 8.3ms Single half-sine-wave superimposed on rated load(JEDEC Method) on rated	IFSM	60.0	A	
Forward Surge Current (Non-repetitive) @1ms, square wave, 1 cycle, Tj=25℃		120.0	A	
Current squared time @1ms≤t8.3≤ms Tj=25℃,Rating of per diode	l <sup>2</sup> t	14.9	A <sup>2</sup> S	
Maximum Forward Voltage at 2.0A DC	V <sub>FM</sub>	1.1	V	
Maximum Reverse Current TA = 25 °C	– IR	5.0	uA	
at Rated DC Blocking Voltage TA = $125^{\circ}$ C		100.0		
Typical Thermal Resistance Between junction and	R <sub>QJa</sub>	65.0	°C/W	
Operating Junction Temperature Range	TJ		°C	
Storage Temperature Range	T <sub>STG</sub>		°C	



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## **MARKING INFORMATION**

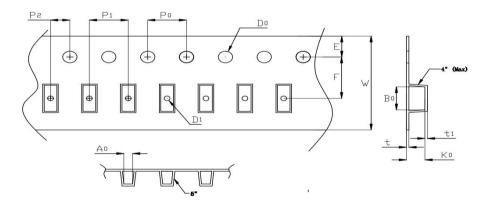


Logo
\*\*\*\* = Date Code Marking
S2M = Marking Code

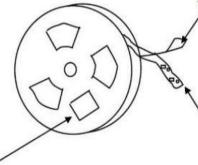
Print according to customer request

## **PACKING REQUIRMENTS**

Carrier tape packing



Specificati ons	Carrier tape type	Ao	Во	Ко	Ро	W	t	Exiplain
SMAF	Anti-static	2.83± 0.10	4.9± 0.10	1.45± 0.05	$4.00 \pm 0.10$	$12.0 \pm 0.10$	0.23± 0.05	



覆盖胶带(COVER TAPE)

装件袋 (CARRIER TAPE)

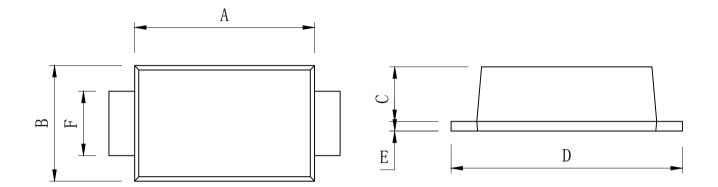
标签黏着面(仅一面)

DEVICE Tape TYPE width	Таре		13"Reel		7"Reel		
	•	Q'TY/REEL (pcs)	BOX/CAR TOON	Q'TY/REEL (pcs)	Q'TY/REEL (pcs)	BOX/CAR TOON	Q'TY/REEL (pcs)
SMAF	12mm	10000	20	200000	3000	64	192000



## Outline Dimensions

SMAF



SMAF						
DIM	INC	HES	MM			
	MIN	MAX	MIN	MAX		
А	0.13	0.15	3.2	3.8		
В	0.09	0.11	2.3	2.7		
С	0.03	0.05	0.8	1.2		
D	0.16	0.20	4	5		
E	/	0.01	/	0.3		
F	0.04	0.08	1	2		



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