

四川旭茂微科技有限公司 Sichuan Xu Mao Micro Technology Co., Ltd

RS1M

Fast recovery diode Reverse Voltage1000v Forward current-1A

Features

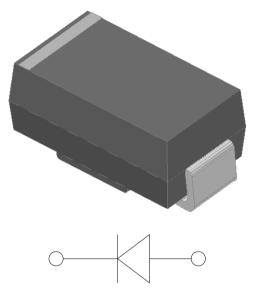
Glass passivated chip High surge current capability Ldeal for surface mounted applications Low power loss, high efficiency Plastic Case Material has UL Flammability

Mechanical Data

Package: SMA 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

Type Number	SYMBOL	RS1M	Umit	
Maximum Recurrent 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 TL = 100 $^\circ\!\!\!\!\!^{\circ}$	IO _(AV)	1.0	А	
Peak Forward Surge Current 8.3ms Single half-sine-wave superimposed on rated load(JEDEC Method) on rated	IFSM	25.0	A	
Forward Surge Current (Non-repetitive) @1ms, square wave, 1 cycle, Tj=25 $^\circ\!\!\mathbb{C}$		50.0	A	
Current squared time @1ms≤t8.3≤ms Tj=25℃,Rating of per diode	l ² t	2.6	A ² S	
Maximum Forward Voltage at 1.0A DC	V _{FM}	1.30	V	
Maximum Reverse Current TA = 25°C		5.0	uA	
at Rated DC Blocking Voltage TA = 100 $^\circ\!\mathrm{C}$	IR	100.0		
Maximum reverse recovery time	Trr	500.0	ns	
Typical Thermal Resistance Between junction and	R _{QJa}	65.0	°C/W	
Operating Junction Temperature Range	TJ		°C	
Storage Temperature Range	T _{STG}		°C	

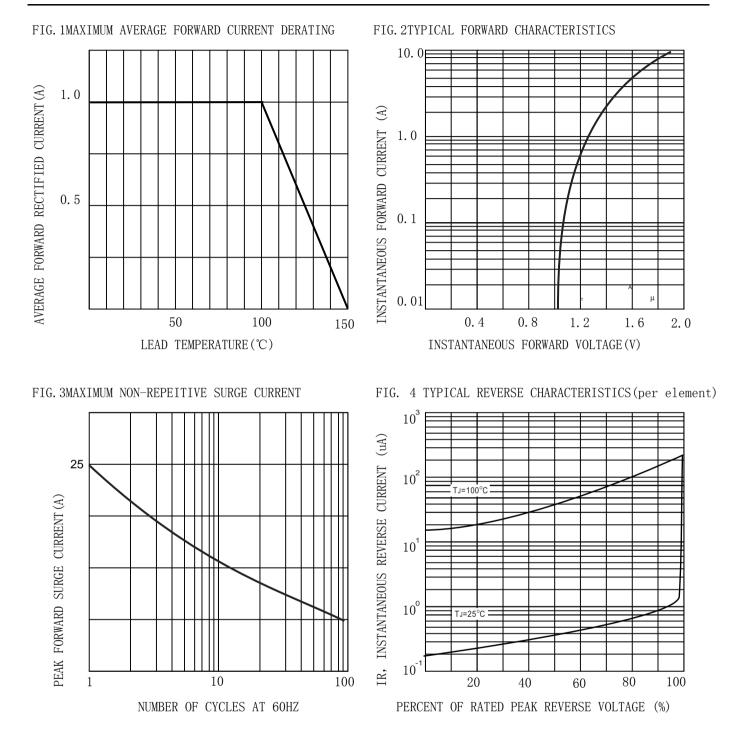




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MARKING INFORMATION

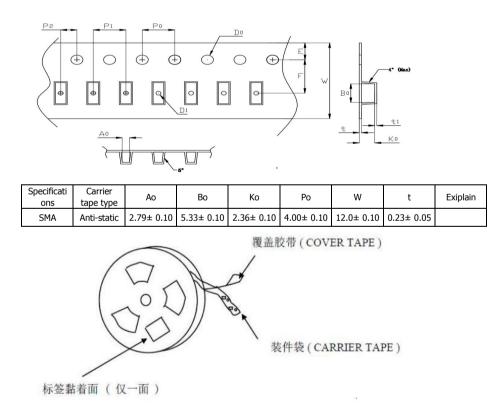


Section = Logo
**** = Date Code Marking
RS1M= Marking Code

Print according to customer request

PACKING REQUIRMENTS

Carrier tape packing



DEVICE TYPE	Tape width	11"Reel		11"Reel			
		Q'TY/REEL (pcs)	BOX/CAR TOON	Q'TY/REEL (pcs)	Q'TY/REEL (pcs)	BOX/CAR TOON	Q'TY/REEL (pcs)
SMA	12mm	5000	20	100000	5000	18	90000

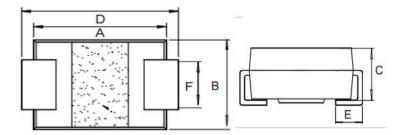


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RS1M

Outline Dimensions

SMA



SMA						
DIM	INCHES		MM			
	MIN	MAX	MIN	MAX		
А	0.16	0.18	4.05	4.65		
В	0.09	0.11	2.4	2.8		
С	0.07	0.09	1.8	2.3		
D	0.18	0.21	4.67	5.27		
Е	0.04	0.06	1	1.4		
F	0.05	0.06	1.2	1.6		



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