

# 四川旭茂微科技有限公司

Sichuan Xu Mao Micro Technology Co.,Ltd

## RMSB410

#### Fast Recovery Bridge Rectifiers Reverse Voltage-1000v Forward current-4A

#### Features

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

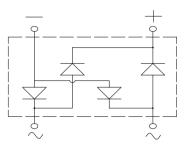
#### Mechanical Data

Package: MSB 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	RMSB410	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 at TL = 100 $^{\circ}C$	IO <sub>(AV)</sub>	4.0	А	
Peak Forward Surge Current 8.3ms Single half-sine-wave superimposed on rated load(JEDEC Method) on rated	IFSM	150.0	А	
Forward Surge Current (Non-repetitive) @1ms, square wave, 1 cycle, Tj=25℃		300.0	А	
Current squared time @1ms≤t8.3≤ms Tj=25℃,Rating of per diode	l <sup>2</sup> t	93.4	A <sup>2</sup> S	
Maximum Forward Voltage at 4.0A DC	V <sub>FM</sub>	1.3	V	
Maximum Reverse Current TA = 25°C	ID	5	uA	
at Rated DC Blocking Voltage TA = $100^{\circ}$ C	IR	100		
Maximum reverse recovery time (IF=0.5A,IR=1.0A, Irr=0.25A)	trr	500	ns	
Typical Junction Capacitance	CJ	40	pF	
Typical Thermal Resistance	$R_{QJa}$	75.0	сw	
Operating Junction Temperature Range	TJ		°C	
Storage Temperature Range	T <sub>STG</sub>		°C	

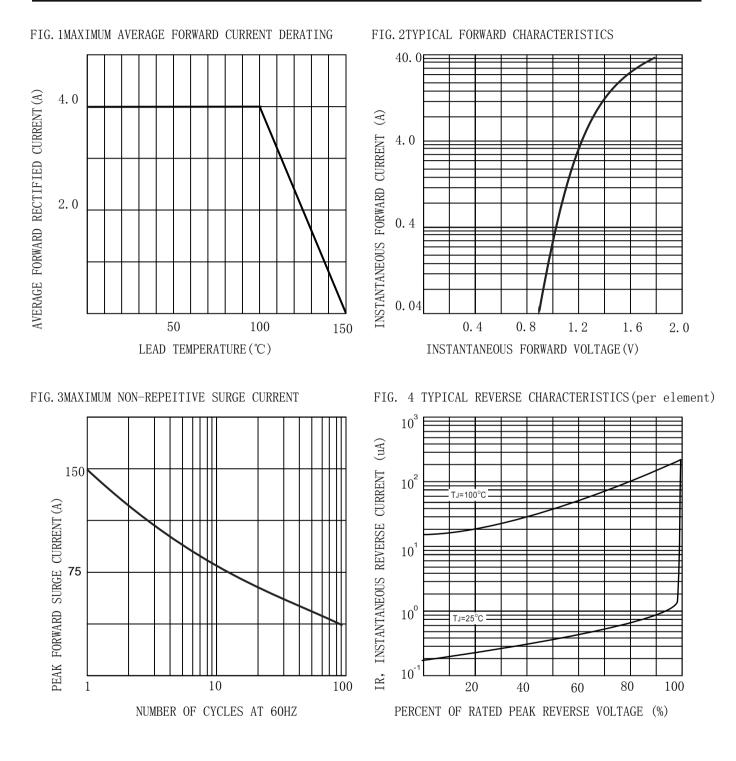






#### 四川旭茂微科技有限公司 Sichuan Xu Mao Micro Technology Co., Ltd

# RMSB410





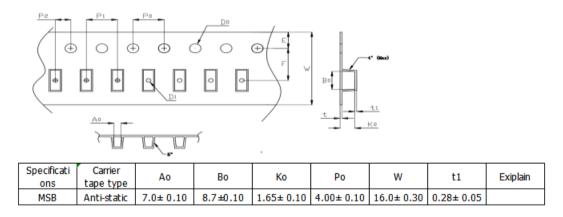
### MARKING INFORMATION



Print according to customer request

### **PACKING REQUIRMENTS**

• Carrier tape packing



覆盖胶带(COVER TAPE)

装件袋 (CARRIER TAPE )

标签黏着面(仅一面)

DEVICE Tape		13 <sup>°°</sup> Reel		
TYPE width	Q'TY/REEL (pcs)	BOX/CAR TOON	Q'TY/REEL (pcs)	
MSB	16mm	3000	6000	60000

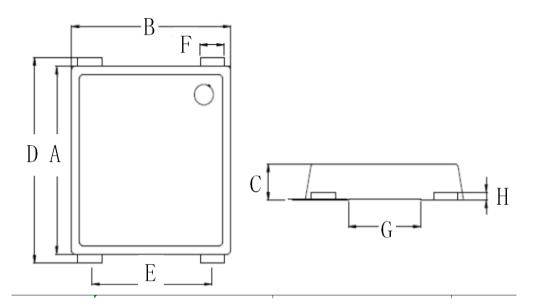


# 四川旭茂微科技有限公司 Sichuan Xu Mao Micro Technology Co.,Ltd

# RMSB410

### Outline Dimensions

MSB



MSB					
DIM	INC HES		MM		
	MIN	MAX	MIN	MAX	
А	0.28	0.29	7.0	7.4	
В	0.26	0.27	6.5	6.9	
С	0.05	0.06	1.2	1.6	
D	0.32	0.33	8.1	8.5	
E	0.19	0.21	4.9	5.3	
F	0.04	0.05	0.9	1.3	
G	0.11	0.13	2.8	3.2	
Н	0.01	0.02	0.2	0.4	



#### Important Statements and disclaimers.

Do not copy or modify file information without permission.

Xumao Micro reserves the right to modify this document and its products.

Specifications are available without prior notice. Customer shall obtain and confirm the latest product information and specifications prior to final design, purchase or use.

Xumao Micro does not assume any implied warranties, including warranties of fitness for special purposes, non-infringement and merchantability.

The products shown here are not designed and licensed for demanding equipment at a level of reliability or for human life and any life-saving related applications or life-sustaining, such as medical devices, transportation equipment, aerospace machinery, and so on. Customers who use or sell these products for such applications do so at their own risk.

As Xumao Micro uses batch number as tracking benchmark, please provide batch number for tracking in case of exception.