

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

# MSB310

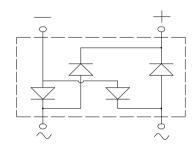
#### Bridge Rectifiers Reverse Voltage-1000v Forward current-3A

#### 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



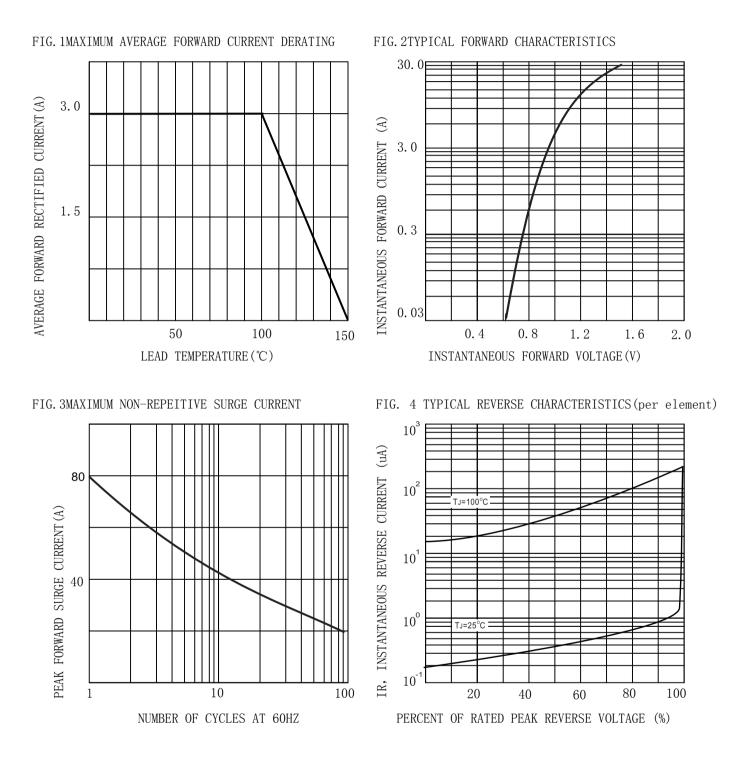


#### Maximum Ratings (Ta=25°C Unless otherwise specified)

Type Number	SYMBOL	MSB310	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 $^\circ\!\mathrm{C}$	IO <sub>(AV)</sub>	3.0	A	
Peak Forward Surge Current 8.3ms Single half-sine-wave superimposed on rated load(JEDEC Method) on rated	IFSM	80.0	A	
Forward Surge Current (Non-repetitive) @1ms, square wave, 1 cycle, Tj=25℃		160.0	А	
Current squared time @1ms≤t8.3≤ms Tj=25℃,Rating of per diode	l <sup>2</sup> t	26.6	A <sup>2</sup> S	
Maximum Forward Voltage at 3.0A DC	$V_{\sf FM}$	1.1	V	
Maximum Reverse Current TA = 25 °C	IR	5	uA	
at Rated DC Blocking Voltage TA = $100^{\circ}$ C	IR	100		
Typical Junction Capacitance	CJ	40	pF	
Typical Thermal Resistance	$R_{QJa}$	75.0	°C/W	
Operating Junction Temperature Range	TJ		Ĉ	
Storage Temperature Range	T <sub>STG</sub>		°C	



## MSB310





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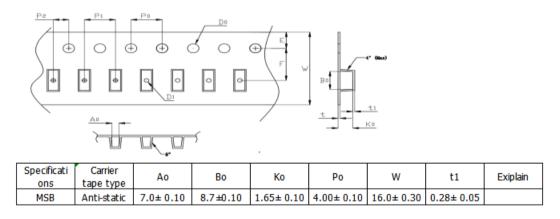
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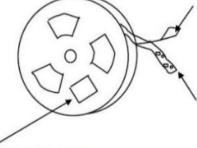
Print according to customer request

### **PACKING REQUIRMENTS**

• Carrier tape packing



覆盖胶带(COVER TAPE)



装件袋 (CARRIER TAPE )

标签黏着面(仅一面)

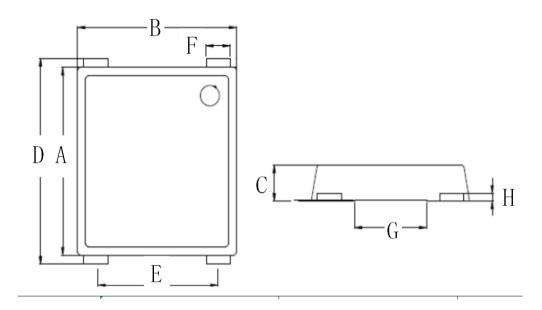
DEVICE	Tape	13"Reel		
TYPE width	Q'TY/REEL (pcs)	BOX/CAR TOON	Q'TY/REEL (pcs)	
MSB	16mm	3000	6000	60000



## MSB310

### 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	0.35	8.2	8.8	
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	



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