

# MB6F THRU MB10F

Bridge Rectifiers Reverse Voltage600V-1000v Forward current-1.0A

### Features

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

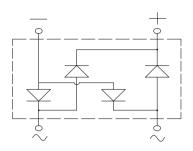
#### Mechanical Data

Package: MBF 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)

	omoa)			1	
Type Number	SYMBOL	MB6F	MB8F	MB10F	Umit
Maximum Recurrent Peak Reverse Voltage	V <sub>RRM</sub>	600	800	1000	V
Maximum RMS Voltage	V <sub>RMS</sub>	420	560	700	V
Maximum DC Blocking Voltage	V <sub>DC</sub>	600	800	1000	V
Maximum Average Forward Rectified Current at TL = 100 $^\circ\!$	IO <sub>(AV)</sub>	1.0			А
Peak Forward Surge Current 8.3ms Single half-sine-wave superimposed on rated load(JEDEC Method) on rated	IFSM	30.0			A
Forward Surge Current (Non-repetitive) @1ms, square wave, 1 cycle, Tj=25℃		60.0			
Current squared time @1ms≤t8.3≤ms Tj=25℃,Rating of per diode	l <sup>2</sup> t		3.7		A <sup>2</sup> S
Maximum Forward Voltage at 1.0A DC	V <sub>FM</sub>	1.1		V	
Maximum Reverse Current TA = 25°C	IR 5 100				
at Rated DC Blocking Voltage TA = 100 $^\circ C$			uA		
Typical Junction Capacitance	CJ	17		pF	
Typical Thermal Resistance Between junction and	$R_{QJa}$	70.0		°C/W	
Operating Junction Temperature Range	TJ		—55to+150	)	°C
Storage Temperature Range	T <sub>STG</sub>	55to+150		°C	







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

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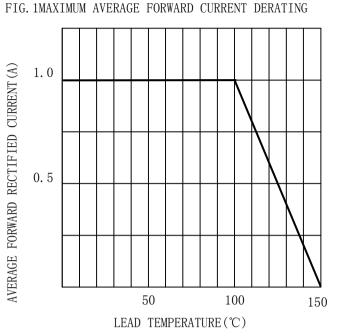


FIG. 2TYPICAL FORWARD CHARACTERISTICS

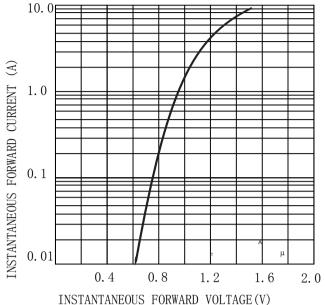
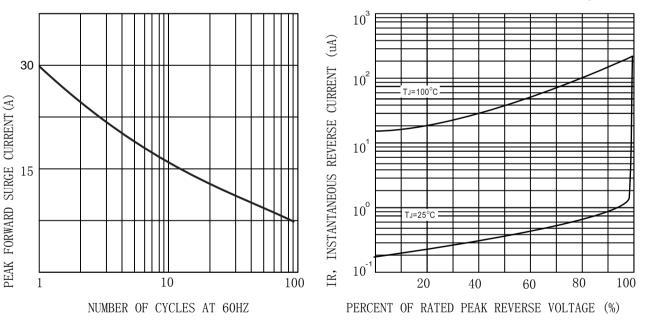


FIG. 3MAXIMUM NON-REPEITIVE SURGE CURRENT

FIG. 4 TYPICAL REVERSE CHARACTERISTICS (per element)





## MB6F THRU MB10F

### MARKING INFORMATION



🥱 = Logo

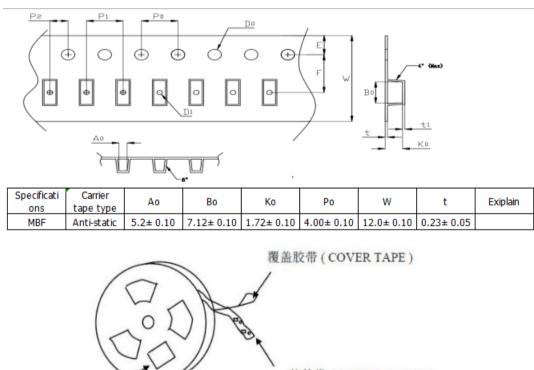
\*\*\*\* = Date Code Marking

MB\*\*F = Marking Code

Print according to customer request

## PACKING REQUIRMENTS

Carrier tape packing



装件袋 (CARRIER TAPE)

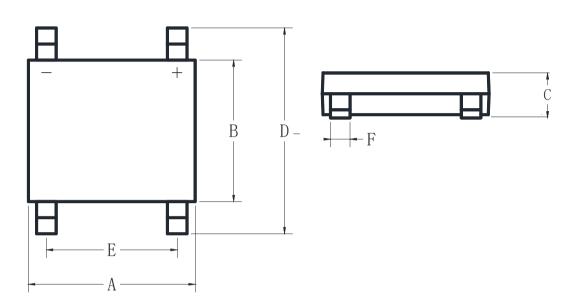
标签黏着面(仅一面)

DEVICE Tape TYPE width	13"Reel			
	Q'TY/REEL (pcs)	BOX/CAR TOON	Q'TY/REEL (pcs)	
MBF	12mm	5000	20	100000



## Outline Dimensions





MBF					
DIM	INC HES		MM		
	MIN	MAX	MIN	MAX	
А	0.18	0.20	4.5	5.1	
В	0.14	0.16	3.6	4	
С	0.05	0.11	1.2	2.7	
D	0.24	0.30	6	7.5	
E	0.08	0.12	2	3	
F	0.02	0.04	0.4	1	



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