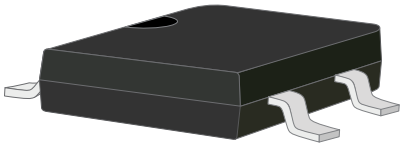
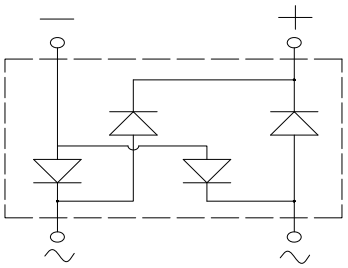
四川旭茂微科技有限公司
Sichuan Xu Mao Micro Technology Co.,Ltd

MB6F THRU MB10F

Bridge Rectifiers
Reverse Voltage600V-1000v
Forward current-0.8A





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℃ Unless otherwise specified)

Type Number	SYMBOL	MB6F	MB8F	MB10F	Umit
Maximum Recurrent Peak Reverse Voltage	V_{RRM}	600	800	1000	V
Maximum RMS Voltage	V_{RMS}	420	560	700	V
Maximum DC Blocking Voltage	V_{DC}	600	800	1000	V
Maximum Average Forward Rectified Current	$IO_{(AV)}$	0.8			A
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	I^2t	3.7			A^2S
Maximum Forward Voltage at 0.8A DC	V_{FM}	1.1			V
Maximum Reverse Current TA = 25℃	IR	5			uA
at Rated DC Blocking Voltage TA = 125℃		100			
Typical Thermal Resistance Between junction and ambient	R_{QJa}	70.0			℃/W
Operating Junction Temperature Range	T_J	—55to+150			℃
Storage Temperature Range	T_{STG}	—55to+150			℃

MB6F THRU MB10F

FIG.1MAXIMUM AVERAGE FORWARD CURRENT DERATING

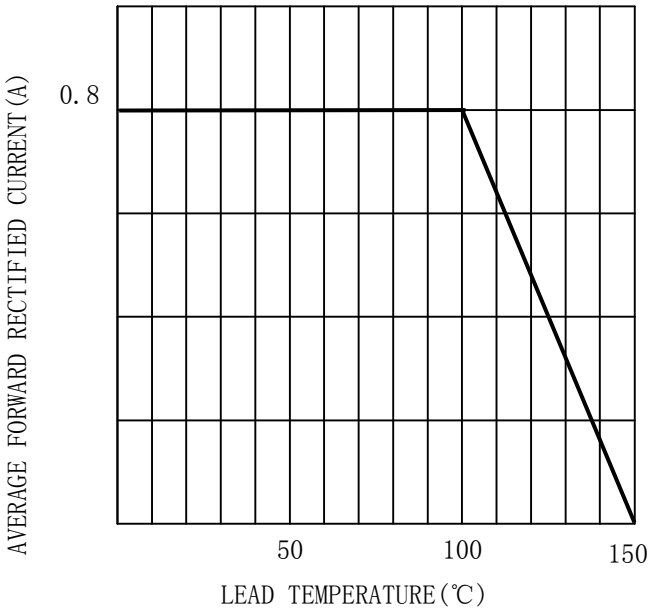


FIG.2TYPICAL FORWARD CHARACTERISTICS

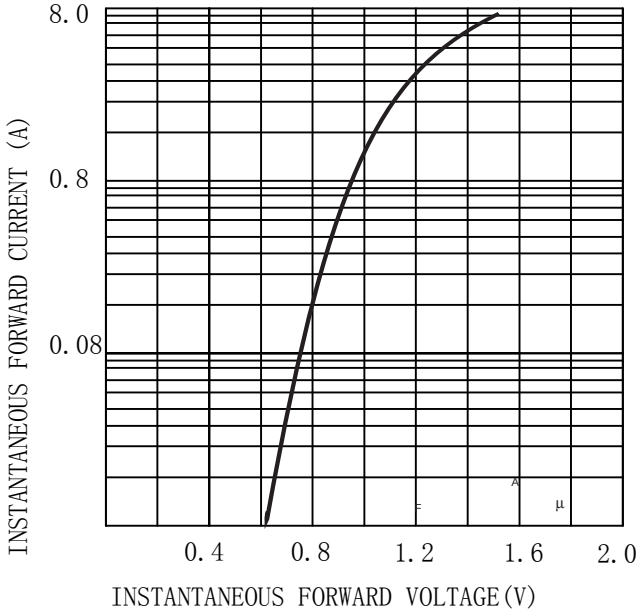


FIG.3MAXIMUM NON-REPEITIVE SURGE CURRENT

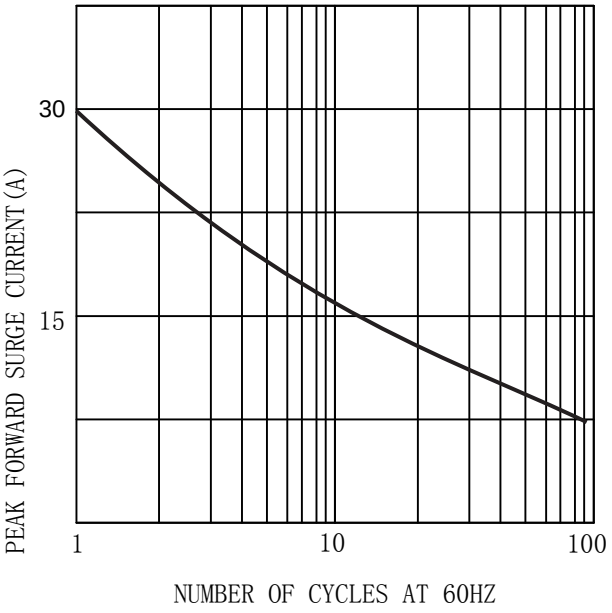
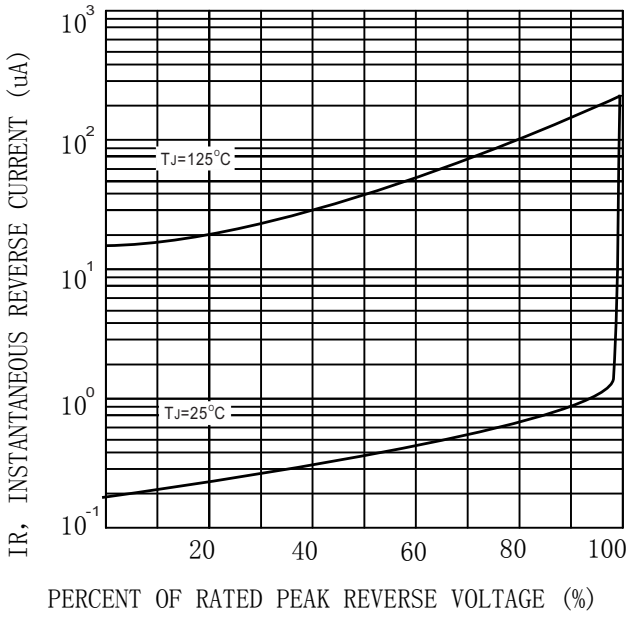
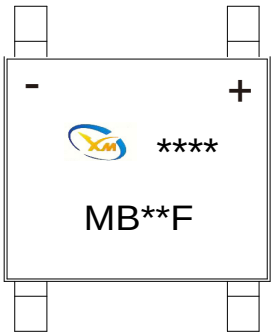


FIG. 4 TYPICAL REVERSE CHARACTERISTICS(per element)



MARKING INFORMATION



= Logo

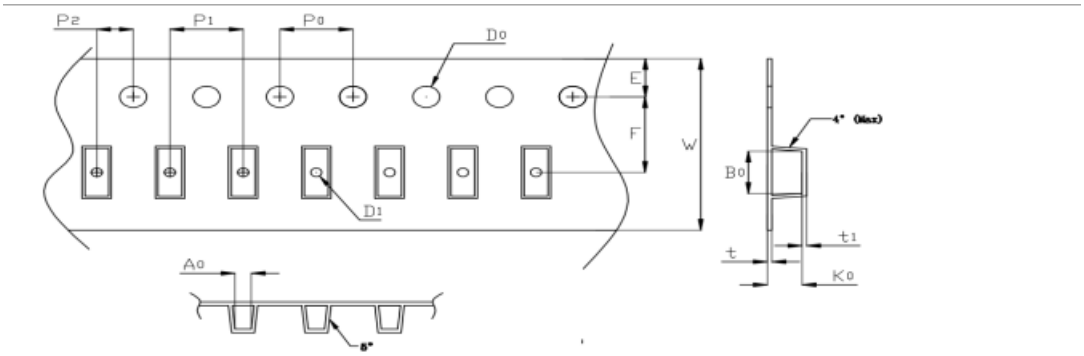
**** = Date Code Marking

MB**F = Marking Code

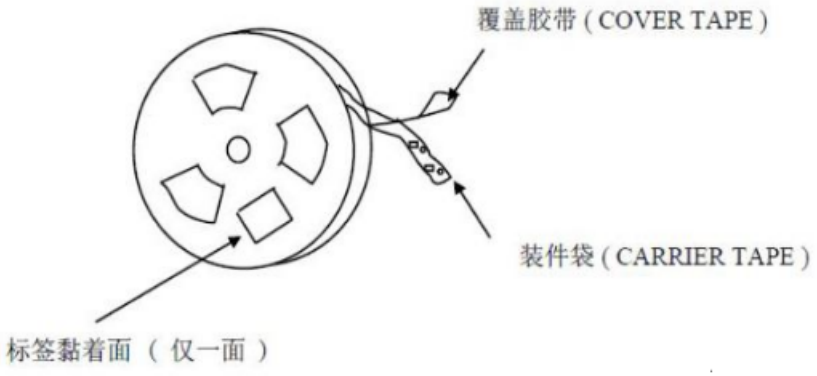
Print according to customer request

PACKING REQUIRMENTS

Carrier tape packing



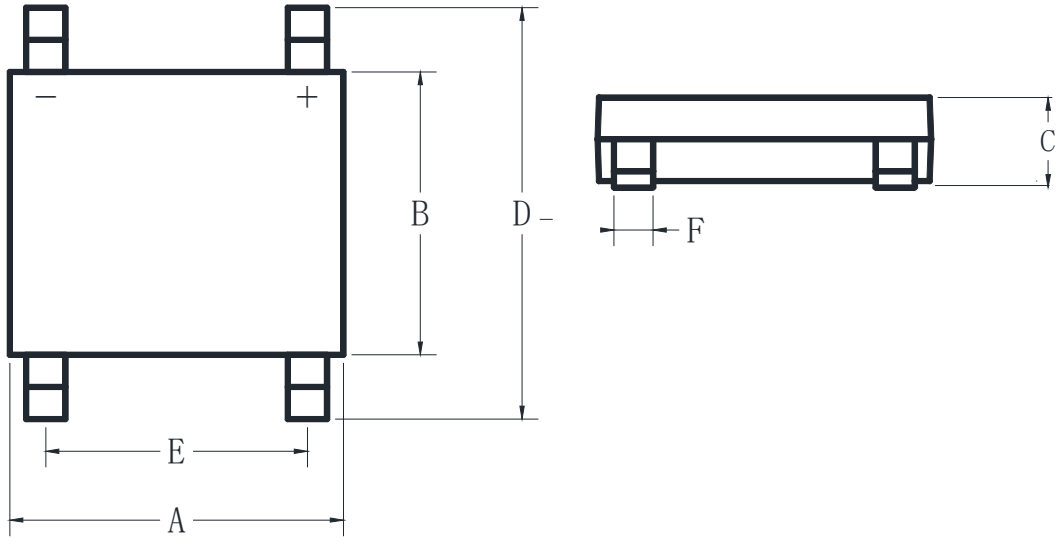
Specifications	Carrier tape type	Ao	Bo	Ko	Po	W	t	Exiplain
MBF	Anti-static	5.2± 0.10	7.12± 0.10	1.72± 0.10	4.00± 0.10	12.0± 0.10	0.23± 0.05	



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

Outline Dimensions

MBF



MBF				
DIM	INC HES		MM	
	MIN	MAX	MIN	MAX
A	0.18	0.20	4.5	5.1
B	0.14	0.16	3.6	4
C	0.05	0.11	1.2	1.6
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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