



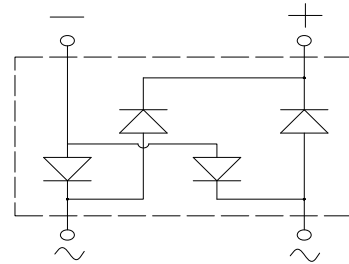
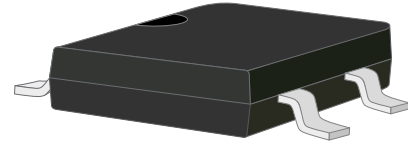
Fast Recovery Bridge Rectifiers Reverse Voltage-600v Forward current-1A

Features

Glass passivated chip
High surge current capability
Ideal 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

Type Number	SYMBOL	RMB6F	Unit
Maximum Recurrent Peak Reverse Voltage	V_{RRM}	600	V
Maximum RMS Voltage	V_{RMS}	420	V
Maximum DC Blocking Voltage	V_{DC}	600	V
Maximum Average Forward Rectified Current	$I_{O(AV)}$	1.0	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≤t≤8.3ms Tj=25℃, Rating of per diode	I^2t	3.7	A ² S
Maximum Forward Voltage at 1.0A DC	V_{FM}	1.3	V
Maximum Reverse Current TA = 25℃	IR	5	uA
at Rated DC Blocking Voltage TA = 125℃		100	
Maximum reverse recovery time (IF=0.5A, IR=1.0A, Irr=0.25A)	Trr	500	ns
Typical Junction Capacitance	CJ	17	pF
Typical Thermal Resistance Between junction and	R_{QJa}	70.0	℃/W
Operating Junction Temperature Range	TJ	—55to+150	℃
Storage Temperature Range	TSTG	—55to+150	℃



FIG. 1 MAXIMUM AVERAGE FORWARD CURRENT DERATING

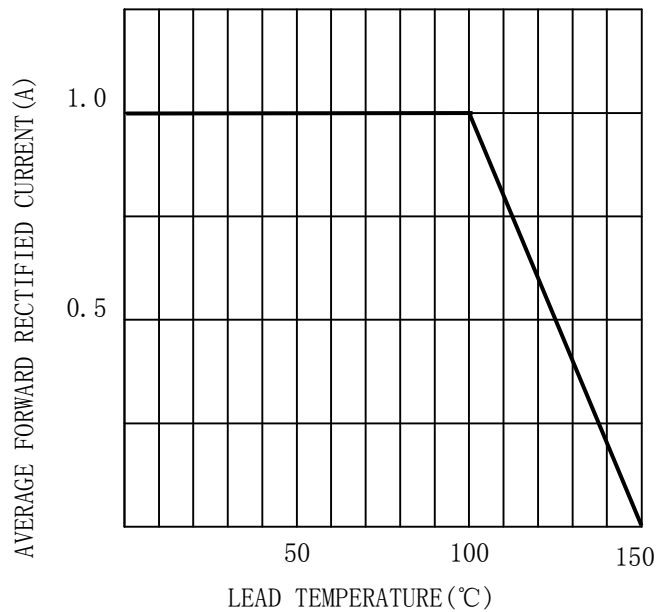


FIG. 2 TYPICAL FORWARD CHARACTERISTICS

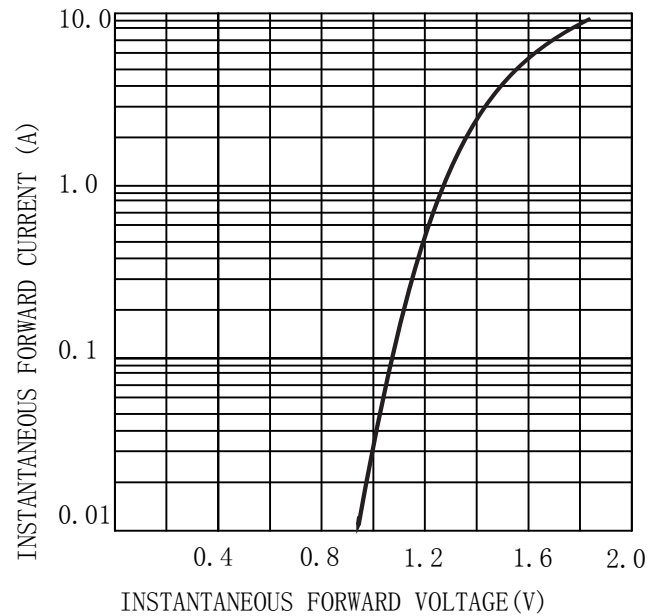


FIG. 3 MAXIMUM NON-REPEITIVE SURGE CURRENT

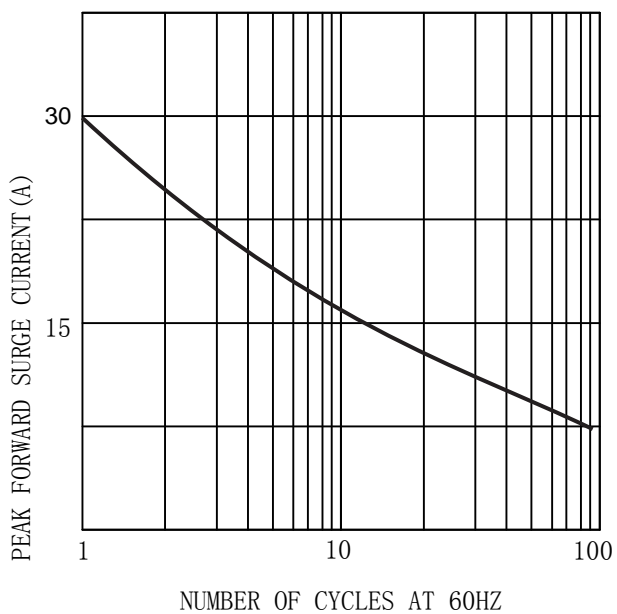
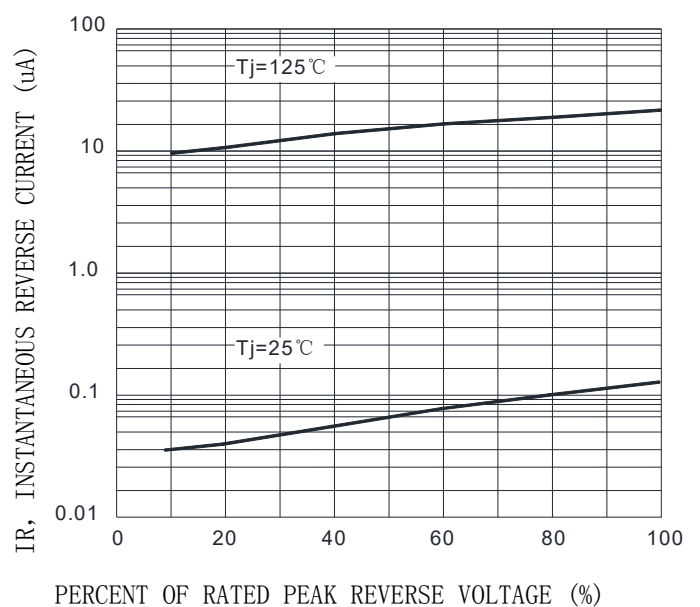
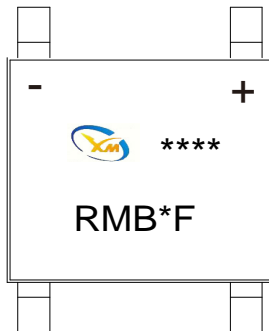


FIG. 4 TYPICAL REVERSE CHARACTERISTICS(per element)





MARKING INFORMATION



= Logo

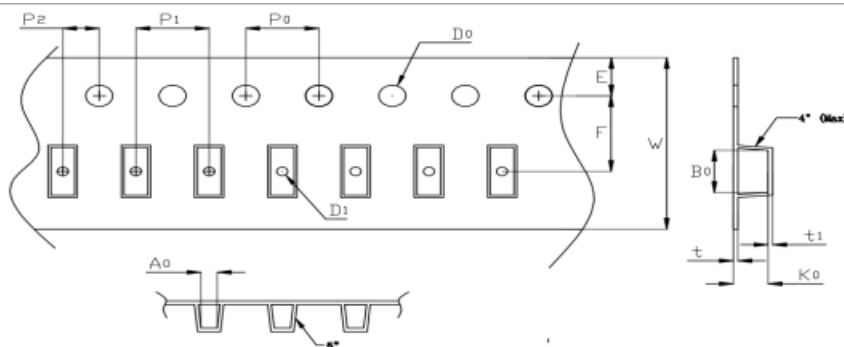
= Date Code Marking

RMB*F = Marking Code

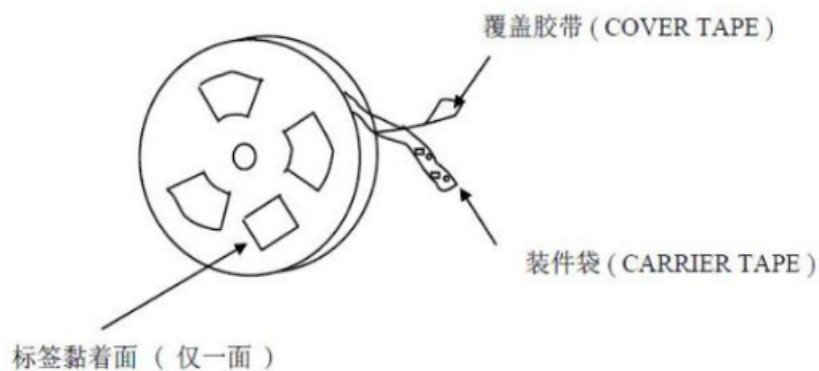
Print according to customer request

PACKING REQUIRMENTS

Carrier tape packing



Specifications	Carrier tape type	A0	B0	K0	P0	W	t	Explain
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	

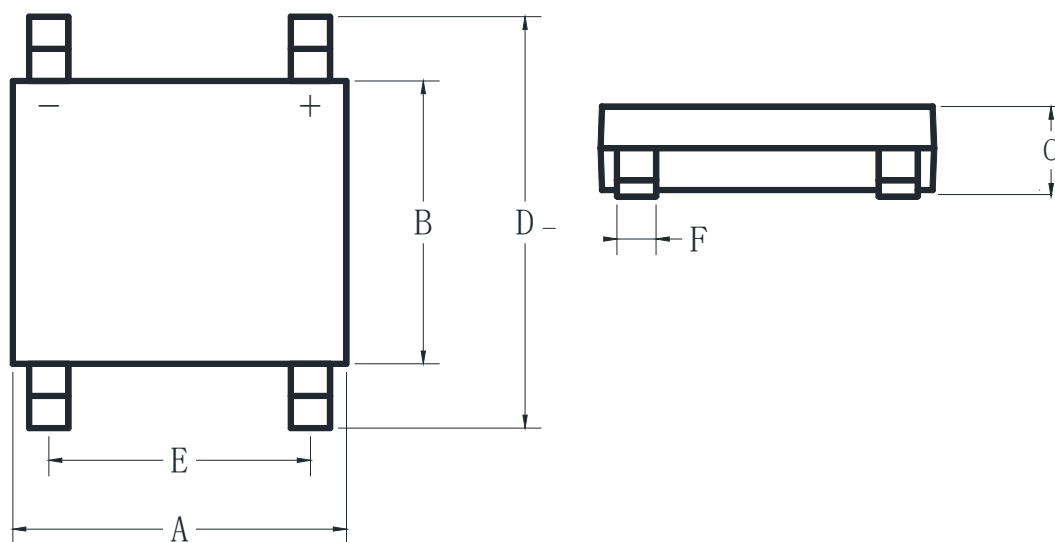


DEVICE TYPE	Tape width	13"Reel		
		Q'TY/REEL (pcs)	BOX/CARTOON	Q'TY/REEL (pcs)
MBF	12mm	5000	20	100000



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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