

Bridge Rectifiers Reverse Voltage600V-1000v Forward current-1A

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

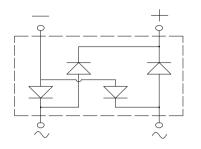
Mil-STD-750 Method 2026

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 at TL = 100 $^{\circ}$	IO _(AV)	1.0		А	
Peak Forward Surge Current 8.3ms Single half-sine-wave superimposed on rated load(JEDEC Method) on rated	IFSM	35.0 70.0		Α	
Forward Surge Current (Non-repetitive) @1ms, square wave, 1 cycle, Tj=25℃	II OW				
Current squared time @1ms≤t8.3≤ms Tj=25℃,Rating of per diode	l ² t	5.1		A ² S	
Maximum Forward Voltage at 1.0A DC	V _{FM} 1.1			V	
Maximum Reverse Current TA = 25℃	IR	5		uA	
at Rated DC Blocking Voltage TA = 100 ℃	ir.	100			
Typical Junction Capacitance	CJ	17		pF	
Typical Thermal Resistance Between junction and	R_{QJa}	70.0		°C/W	
Operating Junction Temperature Range	T_J	—55to+150		$^{\circ}$ C	
Storage Temperature Range	T _{STG}	—55to+150		${\mathbb C}$	

FIG. 1MAXIMUM AVERAGE FORWARD CURRENT DERATING

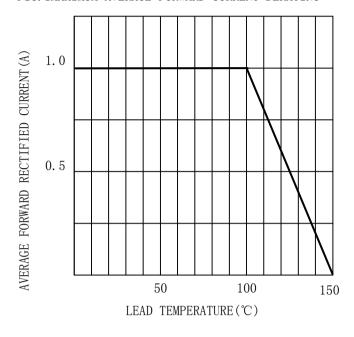


FIG. 2TYPICAL FORWARD CHARACTERISTICS

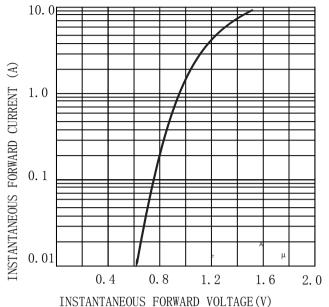


FIG. 3MAXIMUM NON-REPEITIVE SURGE CURRENT

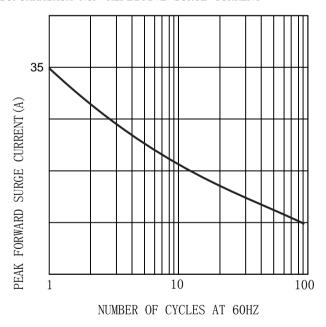
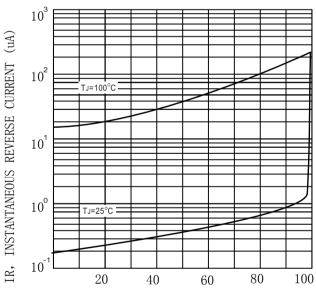


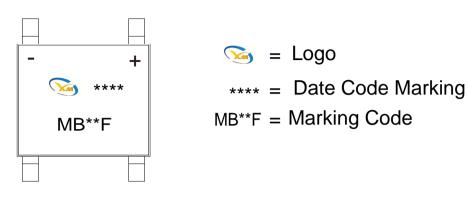
FIG. 4 TYPICAL REVERSE CHARACTERISTICS (per element)



PERCENT OF RATED PEAK REVERSE VOLTAGE (%)



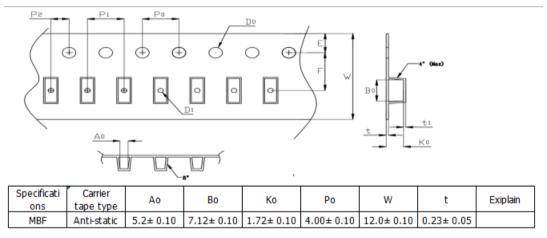
MARKING INFORMATION

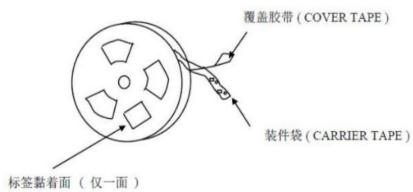


Print according to customer request

PACKING REQUIRMENTS

Carrier tape packing



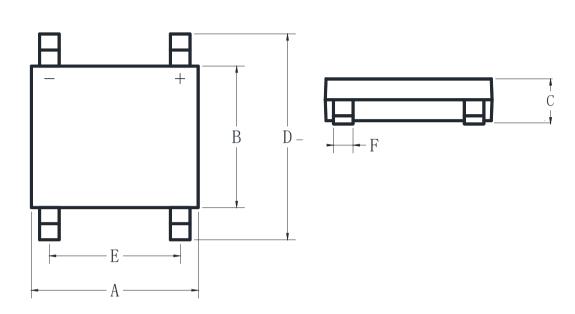


	DEVICE	Tape	13"Reel			
TYPE	width	Q'TY/REEL (pcs)	BOX/CAR TOON	Q'TY/REEL (pcs)		
	MBF	12mm	5000	20	100000	



Outline Dimensions





MBF						
DTM	INC HES		MM			
DIM	MIN	MAX	MIN	MAX		
A	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		
Е	0.08	0.12	2	3		
F	0.02	0.04	0.4	1		



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