

FEATURES

Ideal For Surface Mount Application

The Plastic Material Used Carries Underwriters
Laboratory Flammability Recognition 94V-0

| Surge Overload Ratings to 30 Amperes



MECHANICAL DATA

Λ	D	D	D	0	V	IC
М			$\mathbf{\Gamma}$	u	W	LJ

Case: Molded Plastic	RoHS Compliance with 2011/65/EU
Polarity: Marked On Body	
Mounting Position: Any	

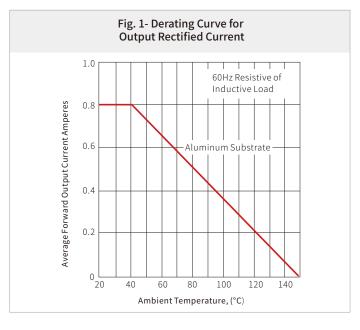
MAXIMUM RATINGS AND CHARACTERISTICS ($T_A = 25$ °C)

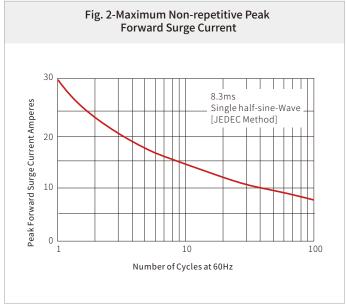
Parameter		Symbol	MB05F	MB1F	MB2F	MB4F	MB6F	MB8F	MB10F	Unit
Marking			MB05F	MB1F	MB2F	MB4F	MB6F	MB8F	MB10F	
Maximum Repetitive Peak Reverse Voltage			50	100	200	400	600	800	1000	
Maximum Rms Bridge Input Voltage			35	70	140	280	420	560	700	V
Maximum Dc Blocking Voltage		V _{DC}	50	100	200	400	600	800	1000	
Maximum Average Forward Rectifie Output Current at T _a =40°C	I _{F(AV)}	0.8						^		
Peak Forward Surge Current Single Superimposed On Rated Load (Jed	I _{FSM}	30					A			
Maximum Instantaneous Forward Voltage Drop Per Leg at 0.5A		V _F	1.1						V	
Maximum Dc Reverse Current At Rated DC Blocking Voltage Per	T _A =25°C					10				
Element	T _A =125°C	- I _R	500							– μΑ
Typical Thermal Resistance Per Ele	R _{eja}	110					°C/W			
Rating For Fusing (T<8.3ms)	l²t	10					A ² sec			
Typical Junction Capacitance Per Element (2)			25.0						pF	
Operating Junction And Storage Temperature Range			-55 to +150					°C		

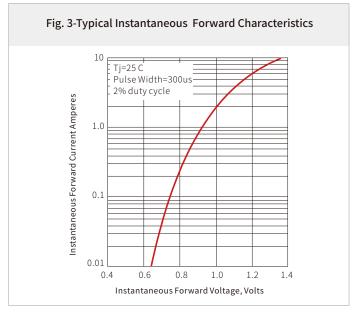
Notes: (1)Thermal Resistance From Junction To Ambemt On P.C.Board Mounting. (2)Measured At 2.0mhz And Applied Reverse Voltage Of 4.0 Volts.

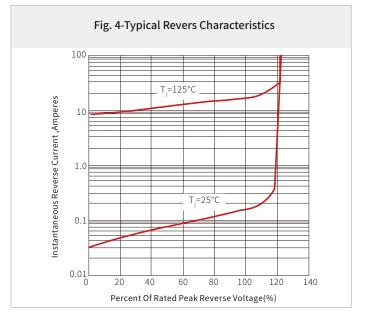


CHARACTERISTIC CURVES

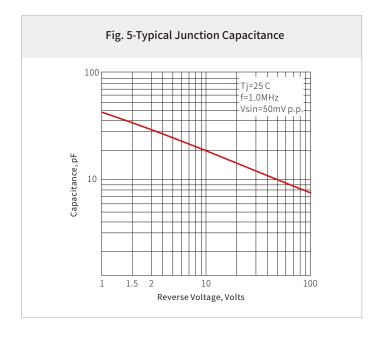






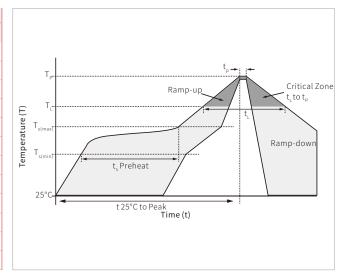






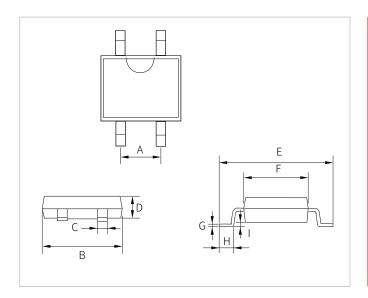
SOLDERING PARAMETERS

	Lead-free assembly			
	Temperature Max (T _{s(min)})	150°C		
Pre Heat	Temperature Max (T _{s(max)})	200°C		
	Time (min to max) (t _s)	60 – 180 secs		
Average ran	3°C/second max			
	3°C/second max			
Reflow	Temperature (T _L) (Liquidus)	217°C		
Reliow	Time (min to max) (t _L)	60 – 150 seconds		
Peak Temp	260°C			
Time within	20 – 40 seconds			
Ramp-dow	6°C/second max			
Time 25°C t	8 minutes max.			
Do not exce	260°C			





MBF PACKAGE INFORMATION



Ref.	Millim	neters	Inches		
	Min.	Max.	Min.	Max.	
А	2.30	2.70	0.091	0.106	
В	4.50	4.90	0.177	0.193	
С	0.50	0.70	0.020	0.028	
D	1.20	1.60	0.047	0.063	
E	7.00	Max	0.276	БМах.	
F	3.60	4.00	0.142	0.157	
G	0.10	0.30	0.004	0.012	
Н	0.70	1.10	0.028	0.043	
I	0.2	Мах.	0.008	ВМах.	

ORDERING INFORMATION

Part Number	Component Package	QTY/Reel	Reel Size
MB05F-MB10F	MBF	5000PCS	13"



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