



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

APPROVALS

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

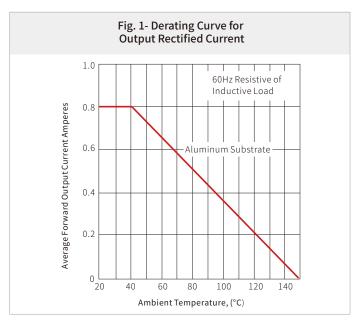
MAXIMUM RATINGS AND CHARACTERISTICS ($T_A = 25$ °C)

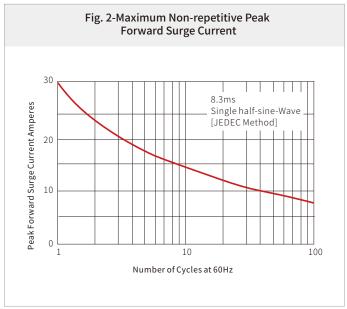
Parameter		Symbol	MB05S	MB1S	MB2S	MB4S	MB6S	MB8S	MB10S	Unit
Marking			MB05S	MB1S	MB2S	MB4S	MB6S	MB8S	MB10S	
Maximum Repetitive Peak Reverse V	oltage	V_{RRM}	50	100	200	400	600	800	1000	
Maximum Rms Bridge Input Voltage		V_{RMS}	35	70	140	280	420	560	700	V
Maximum Dc Blocking Voltage		V _{DC}	50	100	200	400	600	800	1000	
Maximum Average Forward Rectified Output Current at T _a =40°C		I _{F(AV)}	0.8						۸	
Peak Forward Surge Current Single Sine-wave Superimposed On Rated Load (Jedec Method)		I _{FSM}	30						- A	
Maximum Instantaneous Forward Voltage Drop Per Leg at 0.8A		V _F	1.1						V	
Maximum Dc Reverse Current At Rated DC Blocking Voltage Per Element	T _A =25°C		10						Λ	
	T _A =125°C	l _R	500						μΑ	
Typical Thermal Resistance Per Element (1)		$R_{\theta JA}$	110						°C/W	
Rating For Fusing (T<8.3ms)		l²t	10					A²sec		
Typical Junction Capacitance Per Element (2)		CJ	25.0						рF	
Operating Junction And Storage Temperature Range		T_J , T_{STG}	-55 to +150						°C	

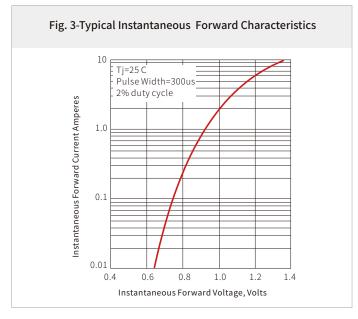
Notes: (1)Thermal Resistance From Junction To Ambemt On P.C.Board Mounting. (2)Measured At 2.0MHz and Applied Reverse Voltage Of 4.0 Volts.

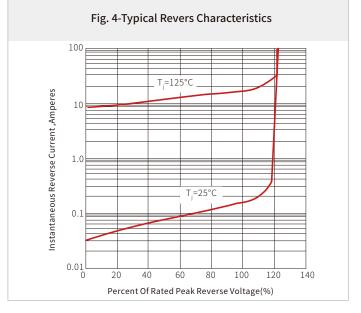


CHARACTERISTIC CURVES

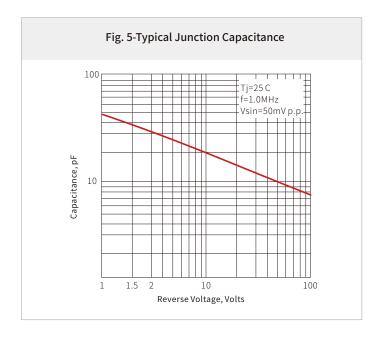






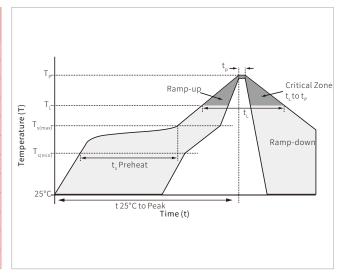






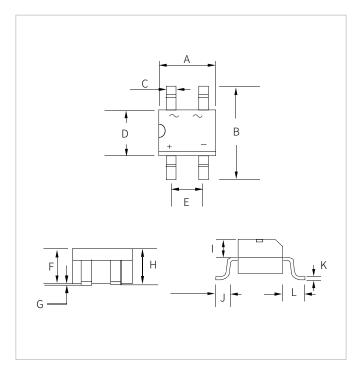
SOLDERING PARAMETERS

	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	Average ramp up rate (Liquidus Temp (T _L) to peak		
	3°C/second max		
Reflow	Temperature (T _L) (Liquidus)	217°C	
	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		





MBS PACKAGE INFORMATION



Ref.	Millim	neters	Inches			
	Min.	Max.	Min.	Max.		
А	4.50	4.90	0.177	0.193		
В	7.00	Max.	0.276Max.			
С	0.56	0.84	0.022	0.033		
D	3.60	4.00	0.142	0.157		
Е	2.20	2.60	0.087	0.102		
F	2.30	2.70	0.090	0.106		
G	0.20	Мах.	0.008Max.			
Н	3.01	Мах.	0.118Max.			
I	0.95	1.53	0.037	0.053		
J	0.70	1.10	0.028	0.043		
К	0.15	0.35	0.006	0.014		
L	1.10	2.12	0.043	0.083		

ORDERING INFORMATION

F	Part Number	Component Package	QTY/Reel	Reel Size	
	MB05S-MB10S	MBS	3000PCS	11"	



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By QR Code





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