



Features

- Surface Mount Package
- Glass Passivated Diode Construction
- Moisture Resistant Epoxy Case
- High Surge Current Capability

Maximum Ratings

- Operating Temperature: -55°C to +150°C
- Storage Temperature: -55°C to +150°C

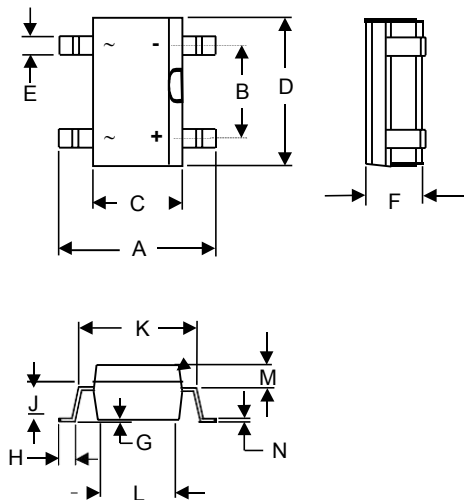
XM Catalog Number	Device Marking	Maximum Recurrent Peak Reverse Voltage	Maximum RMS Voltage	Maximum DC Blocking Voltage
MB05F	MB05F	50V	35V	50V
MB1F	MB1F	100V	70V	100V
MB2F	MB2F	200V	140V	200V
MB4F	MB4F	400V	280V	400V
MB6F	MB6F	600V	420V	600V
MB8F	MB8F	800V	560V	800V
MB10F	MB10F	1000V	700V	1000V

Electrical Characteristics @ 25 °C Unless Otherwise Specified

Average Forward Current	$I_F(AV)$	0.8A	$T_A = 30\text{ }^{\circ}\text{C}$
Peak Forward Surge Current	I_{FSM}	30A	8.3ms, half sine
Maximum Instantaneous Forward Voltage	V_F	1.1V	$I_{FM} = 0.8\text{ A};$ $T_A = 25\text{ }^{\circ}\text{C}$
Maximum DC reverse current At Rated DC blocking voltage @ $T_A=125^{\circ}\text{C}$ at Rated DC Blocking Voltage	I_R	$5\text{ }\mu\text{A}$ $150\text{ }\mu\text{A}$	$T_A = 25\text{ }^{\circ}\text{C}$ $T_A = 125\text{ }^{\circ}\text{C}$
Typical Junction Capacitance	C_J	15pF	Measured at 1.0MHz, $V_R=4.0\text{V}$

0.8Amp Single Phase Glass Passivated Bridge Rectifier 50 to 1000 Volts

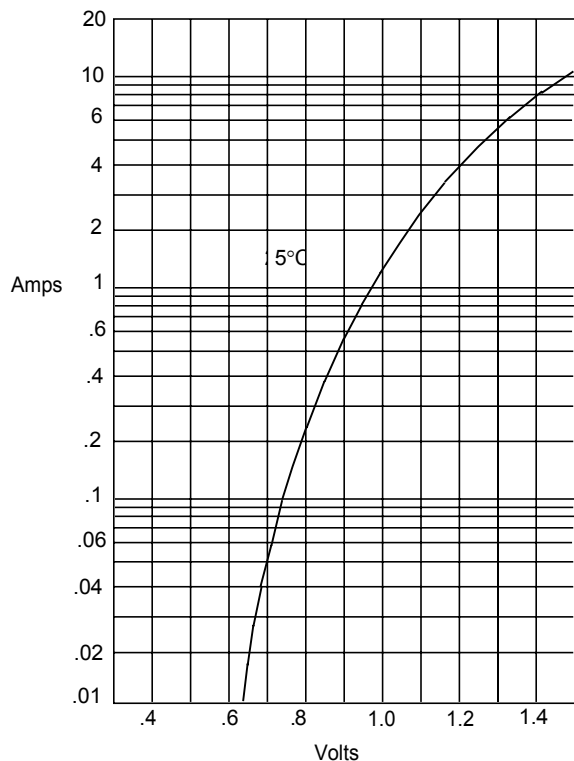
MB05F - MB10F



DIM	INC HES		MM		NOTE
	MIN	MAX	MIN	MAX	
A	.252	.272	6.40	7.15	
B	.095	.105	2.41	2.67	
C	1.45	.155	3.68	3.94	
D	.180	.190	4.57	4.83	
E	.017	.029	0.45	0.75	
F	.059	.94	1.35	2.40	
G	.004	.008	0.10	0.20	
H	.021	.023	0.53	0.58	
J					
K		.200		5.08	
L	.107	.117	2.72	2.97	
M	.023	.043	0.60	1.10	
D	.008	.014	0.15	0.35	

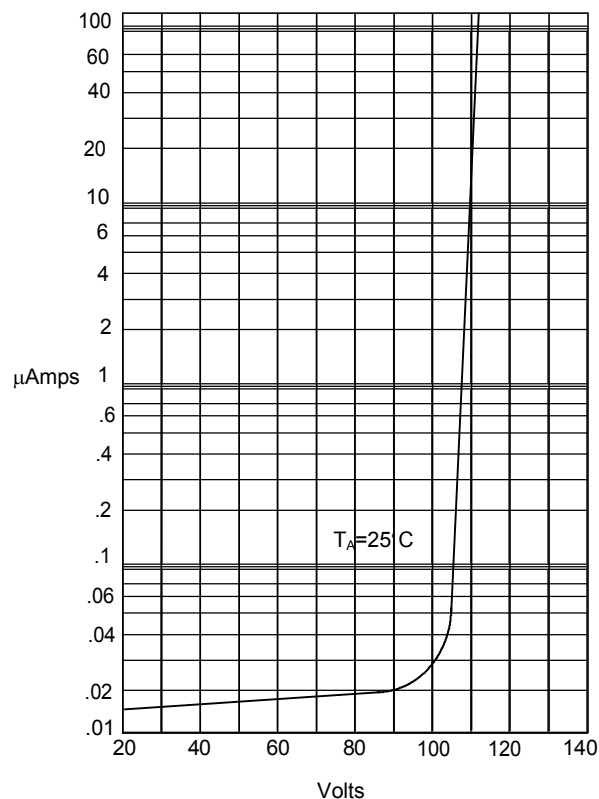


Figure 1
Typical Forward Characteristics



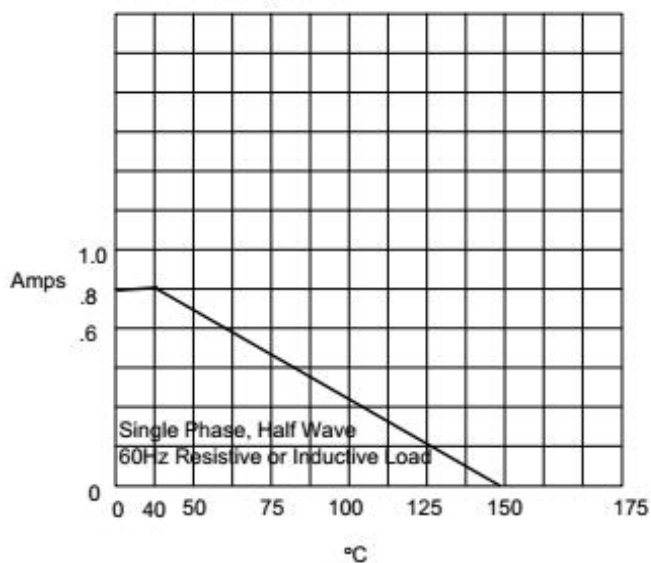
Instantaneous Forward Current - Amperes *versus*
Instantaneous Forward Voltage - Volts

Figure 2
Typical Reverse Characteristics



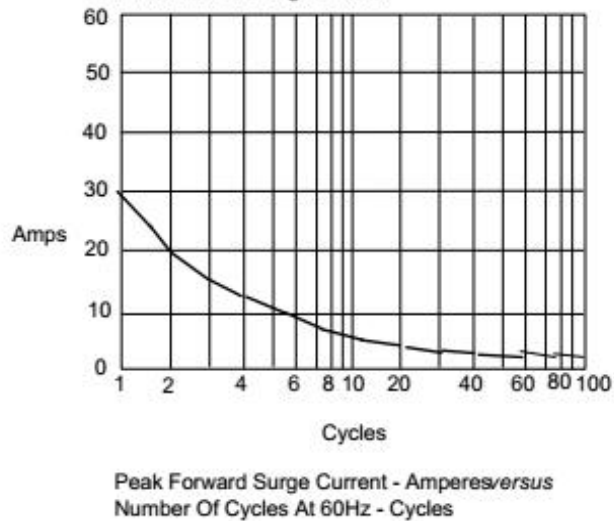
Instantaneous Reverse Leakage Current - MicroAmperes *versus*
Percent Of Rated Peak Reverse Voltage - Volts

Figure 3
Forward Derating Curve



Average Forward Rectified Current - Amperes *versus*
Ambient Temperature - °C
Ambient Temperature - °C

Figure 4
Peak Forward Surge Current



Peak Forward Surge Current - Amperes *versus*
Number Of Cycles At 60Hz - Cycles



注意事项

1. 深圳市华天微电子有限公司的产品销售分为直销和销售代理，无论哪种方式，订货时请与公司核实。
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3. 在电路设计时请不要超过器件的绝对最大额定值，否则会影响整机的可靠性。
4. 本说明书如有版本变更不另外告知

NOTE

1. Shenzhen Huatianwei Electronics co., Ltd sales its product either through direct sales or sales agent , thus, for customers, when ordering , please check with our company.
2. We strongly recommend customers check carefully on the trademark when buying our product, if there is any question, please don't be hesitate to contact us.
3. Please do not exceed the absolute maximum ratings of the device when circuit designing.
4. Shenzhen Huatianwei Electronics co., Ltd reserves the right to make changes in this specification sheet and is subject to change without prior notice.

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