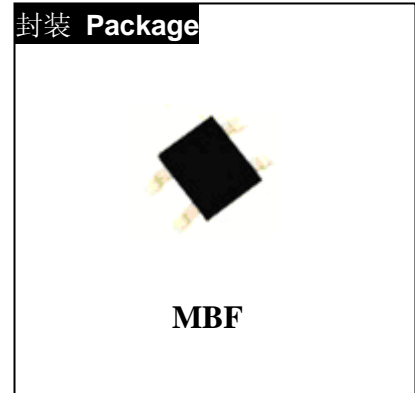




MB4F THRU MB10F

主要参数 MAIN CHARACTERISTICS

$I_{F(AV)}$	0.5/0.8A
V_{RRM}	400V THRU 1000V
T_j	150°C
$V_{F(max)}$	1.1V



产品特性

- 玻璃钝化芯片结构
- 低漏电流
- 适用于印制线路板
- 应用于表面贴装

FEATURES

- Glass passivated die construction
- Low leakage
- Ideal for printed circuit board
- Designed for surface mount application

订货信息 ORDER MESSAGE

订货型号 Order codes	印 记 Marking	封 装 Package	无卤素 Halogen Free	包 装 Packaging	器件重量 Device Weight
MB4F-BF-A-O	MB4F	MBF	否 NO	卷盘 Reel	85mg(approx.)
MB6F-BF-A-O	MB6F	MBF	否 NO	卷盘 Reel	85mg(approx.)
MB8F-BF-A-O	MB8F	MBF	否 NO	卷盘 Reel	85mg(approx.)
MB10F-BF-A-O	MB10F	MBF	否 NO	卷盘 Reel	85mg(approx.)
MB4F-BF-A-R	MB4F	MBF	是 YES	卷盘 Reel	85mg(approx.)
MB6F-BF-A-R	MB6F	MBF	是 YES	卷盘 Reel	85mg(approx.)
MB8F-BF-A-R	MB8F	MBF	是 YES	卷盘 Reel	85mg(approx.)
MB10F-BF-A-R	MB10F	MBF	是 YES	卷盘 Reel	85mg(approx.)





MB4F THRU MB10F

绝对最大额定值 ABSOLUTE RATINGS ($T_A=25^{\circ}\text{C}$)

项 目 Parameter	符号 Symbol	MB4F	MB6F	MB8F	MB10F	单位 Unit
最大反向重复峰值电压 Maximum Repetitive Reverse Voltage	V_{RRM}	400	600	800	1000	V
工作峰值反向电压 Working Peak Reverse Voltage	V_{RWM}	400	600	800	1000	V
最大直流阻断电压 Maximum DC Blocking Voltage	V_{DC}	400	600	800	1000	V
最大均方根电压 Maximum RMS Voltage	V_{RMS}	280	420	560	700	V
正向平均整流电流 (Note 1) @ $T_A=40^{\circ}\text{C}$ Average Rectified Forward Current (Note 2) @ $T_A=40^{\circ}\text{C}$	$I_{F(AV)}$	0.5				A
		0.8				
非重复峰值正向浪涌电流 Non-repetitive Peak Forward Surge Current 额定负载 8.3ms 半正弦波 8.3 ms Single Half-Sine-Wave	I_{FSM}	30				A
最高结温 Junction Temperature	T_j	150				$^{\circ}\text{C}$
储存温度 Storage Temperature Range	T_{STG}	-55~+150				$^{\circ}\text{C}$

电特性 ELECTRICAL CHARACTERISTICS

项 目 Parameter	符号 Symbol	数值 Value	单位 Unit
最大反向电流 @ $T_A=25^{\circ}\text{C}$ Maximum Reverse Current @ $T_A=125^{\circ}\text{C}$	I_R	5.0	μA
		500	
单管正向电压 Forward Voltage per element $I_F=0.8\text{A}$	V_{FM}	1.1	V
单管结电容 Typical Junction Capacitance per leg $V_R=4.0\text{V}$, $f=1.0\text{MHz}$	C_J	13	pF

热特性 THERMAL CHARACTERISTICS

项 目 Parameter	符号 Symbol	数值 Value	单位 Unit
单管结到环境的热阻 Thermal Resistance Junction to Ambient , per leg	$R_{\theta JA}$	60	$^{\circ}\text{C}/\text{W}$
单管结到管脚的热阻 Thermal Resistance Junction to Lead , per leg	$R_{\theta JL}$	16	

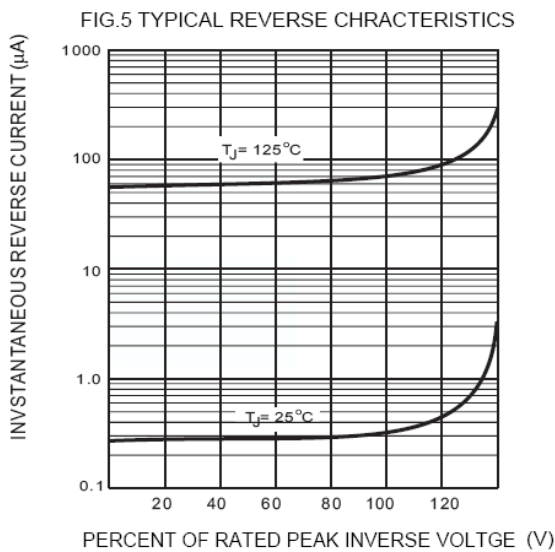
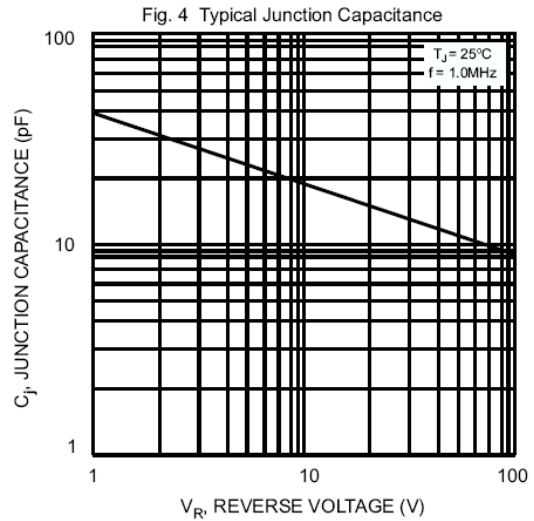
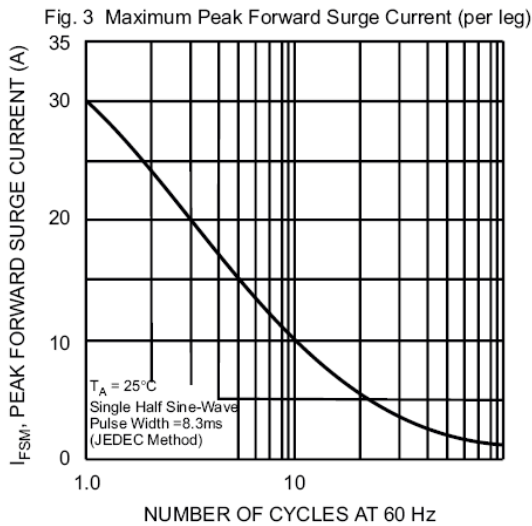
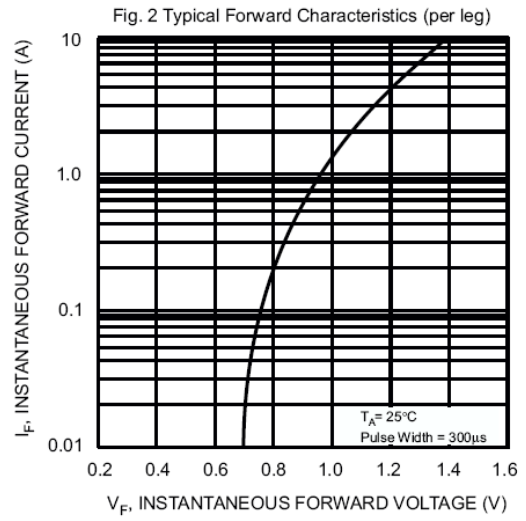
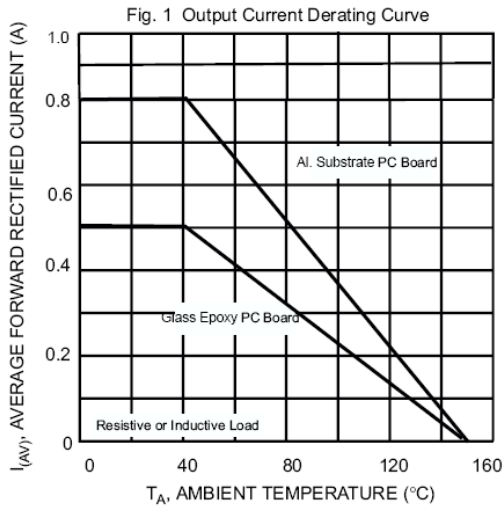
Note:1. Mounted on glass epoxy PC board with 1.3mm^2 solder pad.

Note:2. Mounted on aluminum substrate PC board with 1.3mm^2 solder pad.





特征曲线 ELECTRICAL CHARACTERISTICS (curves)

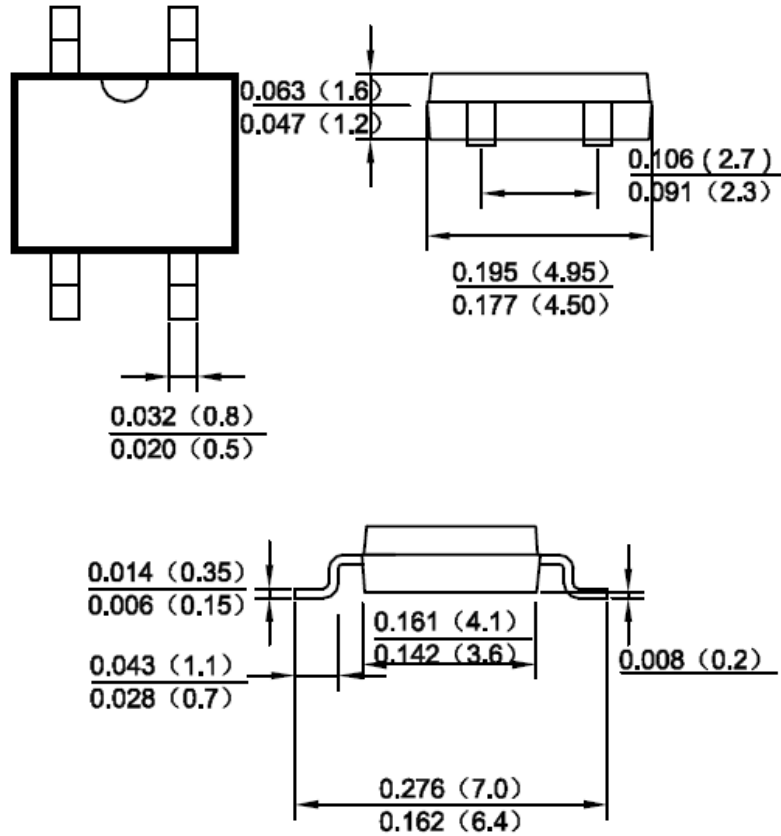




外形尺寸 PACKAGE MECHANICAL DATA

MBF

Dimensions in inches and(millimeters)





MB4F THRU MB10F

注意事项

1. 吉林华微电子股份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。
2. 购买时请认清公司商标，如有疑问请与公司本部联系。
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. Jilin Sino-microelectronics 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. Jilin Sino-microelectronics co., Ltd reserves the right to make changes in this specification sheet and is subject to change without prior notice.

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附录 (Appendix): 修订记录 (Revision History)

日期 Date	旧版本 Last Rev.	新版本 New Rev.	修订内容 Description of Changes

