

MB05F THRU MB10F

<p>MBF</p> <p>4.8±0.1</p> <p>0.2±0.05</p> <p>3.8±0.1</p> <p>6.8±0.2</p> <p>1.4±0.1</p> <p>0.1±0.1</p> <p>2.5±0.1</p> <p>单位: mm</p>	<p>反向电压: 50--1000 伏 REVERSE VOLTAGE: 50 to 1000 VOLTS</p> <p>正向电流: 1 安培 FORWARD CURRENT: 1 AMPERE</p>								
特征 FEATURES									
<ul style="list-style-type: none"> ● 玻璃钝化芯片 Glass Passivated Die Construction ● 正向浪涌承受能力强 High Forward surge capability ● 低正向压降 Low Forward Voltage Drop ● 高温焊接保证 High temperature soldering aranted:260℃/10 秒 ● 引线 and 管体皆符合 RoHS 标准 Lead and body according with RoHS standard 									
机械数据 Mechanical Date									
<ul style="list-style-type: none"> ● 封装: MBF 封装 MBF small outline plaskage ● 极性: 按极性激光印字与脚位 As Marked on Case ● 环氧树脂 UL 易燃等级 Epoxy UL:94V-0 ● 安装位置: 任意 Mounting Position:Any 									
<p>极限值和温度特性 (TA=25℃除非另有规定) Ratings at 25℃ ambient temperature unless otherwise specified</p>									
参数 Parameters	符号 Symbol	MB05F	MB1F	MB2F	MB4F	MB6F	MB8F	MB10F	Units
最大可重复峰值反向电压 Maximum Recurrent Peak Reverse Voltage	V _{RRM}	50	100	200	400	600	800	1000	Volts
最大均方根电压 Maximum RMS Voltage	V _{RMS}	35	70	140	280	420	560	700	Volts
最大直流阻断电压 Maximum DC Blockingoltage	V _{DC}	50	100	200	400	600	800	1000	Volts
最大正向平均整流电流 Maximum Average Forward Rectified Curren@Ta=40° C	I _(AV)	1							Amp
正向不重复浪涌电流 8.3ms 单一正弦半波 Peak Forward Surge Current, 8.3ms single half-sine-wave superimposed on rated load	I _{FSM}	35							Amp
单位时间内承受的最大电流 I ² t Rating for Fusing(t<8.3ms)	I ² t	5.0							A ² s
最大正向电压 Maximum Forward Voltage at 0.5A DC and 25℃	V _F	1.0							Volts
最大反向电流@VDC Maximum Reverse Current at T _A =25℃	I _R	5.0							uAmp
最大反向电流@VDC Maximum Reverse Current at T _A =125℃		500							
典型结电容 VR=4.0V, f=1MHZ Typical Junction Capacitance	C _J	13							pF
典型热阻 Typical Thermal Resistance	R _{θJA}	60							℃/W
工作结温和存储温度 Operating and Storage Temperature Range	T _J , T _{stg}	-55 to +150							℃

特性曲线 Characteristic Curves ($T_A=25\text{ }^\circ\text{C}$ unless otherwise noted)

Fig.1 Derating Curve For Output Rectified Current

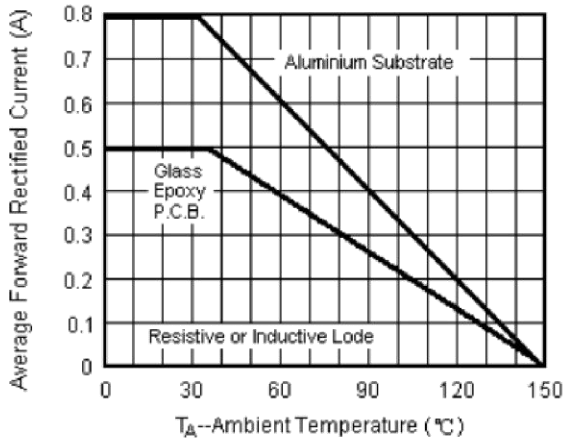


Fig.2 Maximum Non-Repetitive Peak Forward Surge Current Per Leg

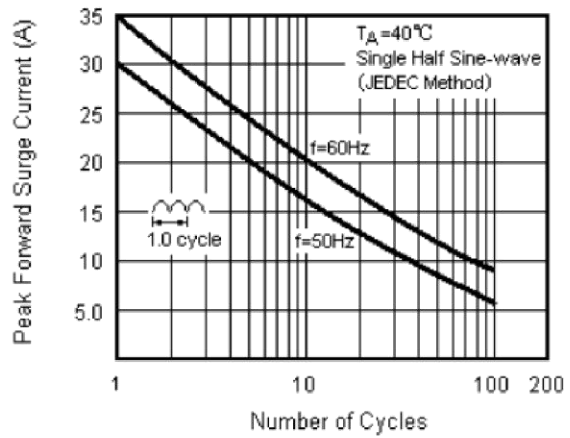


Fig.3 Typical Forward Voltage Characteristics Per Leg

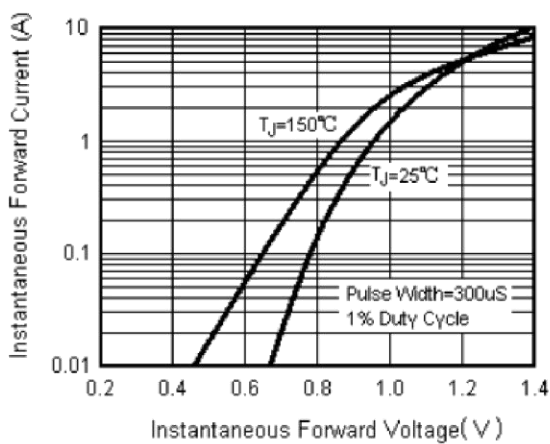


Fig.4 Typical Reverse Leakage Characteristics Per Leg

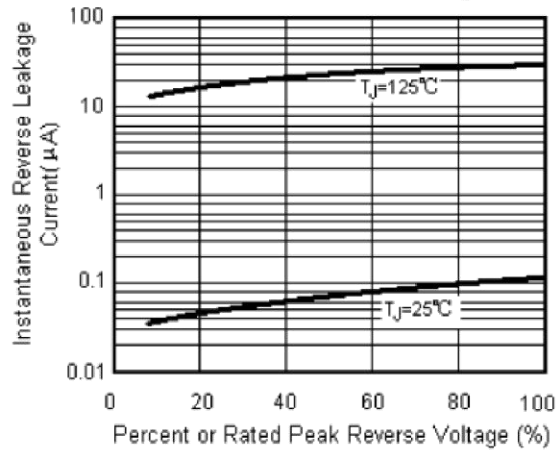


Fig.5 Typical Junction Capacitance Per Leg

