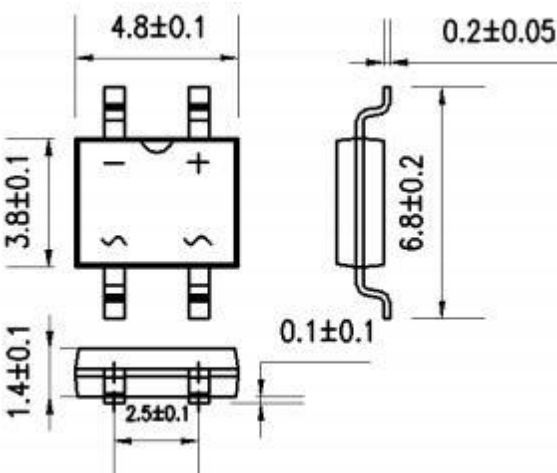


MB05F THRU MB10F

<p style="text-align: center;">MBF</p>  <p style="text-align: center;">单位: mm</p>	<p>反向电压: 50–1000 伏 REVERSE VOLTAGE: 50 to 1000 VOLTS</p> <p>正向电流: 0.8 安培 FORWARD CURRENT: 0.8 AMPERE</p> <p style="text-align: center;">特征 FEATURES</p> <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°C/10 秒 ● 引线和管体皆符合 RoHS 标准 Lead and body according with RoHS standard <p style="text-align: center;">机械数据 Mechanical Date</p> <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
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极限值和温度特性 (TA=25°C 除非另有规定) Ratings at 25°C ambient temperature unless otherwise specified

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 Blocking oltage	VDC	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	$I_{(AV)}$	0.8							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}	30							Amp
单位时间内承受的最大电流 I^2t Rating for Fusing (t<8.3ms)	I^2t	3.7							A ² s
最大正向电压 Maximum Forward Voltage at 0.5A DC and 25°C	V_F	1.0							Volts
最大反向电流@VDC Maximum Reverse Current at Ta=25°C	I_R	5.0							uAmp
最大反向电流@VDC Maximum Reverse Current at Ta=125°C		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	$R_{\theta JA}$	60							°C/W
工作结温和存储温度 Operating and Storage Temperature Range	T_J, T_{stg}	-55 to +150							°C

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

FIG1: I_o - T_a Curve

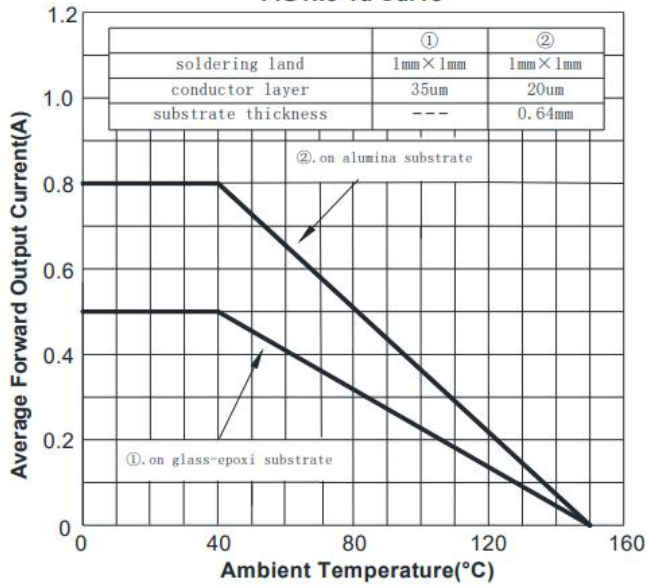


FIG2: Surge Forward Current Capability

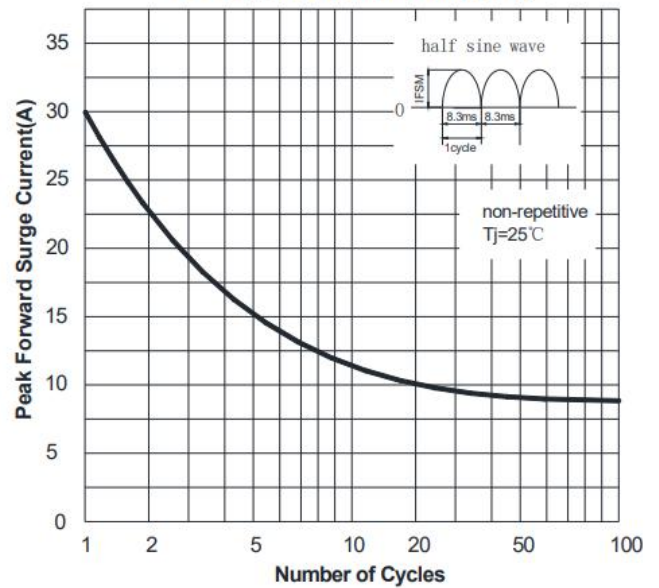


FIG3: Forward Voltage

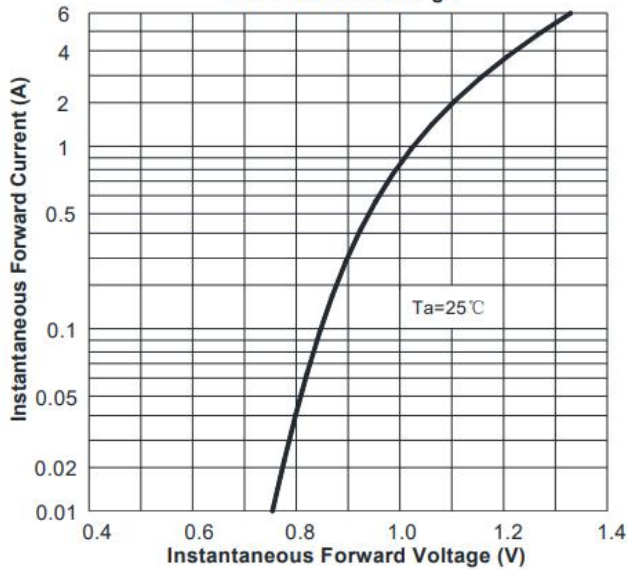


FIG4: Typical Reverse Characteristics

