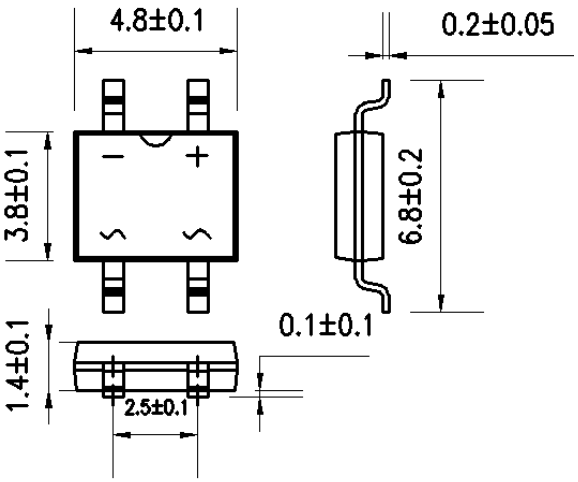
MINI 单相全波表面贴装整流桥产品规格书

MINIATURE GLASS PASSIVATED SINGLE-PHASE SURFACE MOUNT BRIDGE RECTIFIER

MB05F THRU MB10F

MBF



单位：mm

反向电压：50--1000 伏
REVERSE VOLTAGE: 50 to 1000 VOLTS
正向电流：1 安培
FORWARD CURRENT: 1AMPERE

特征 *FEATURES*

- 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 aranteed:260℃/10 秒
- 引线和管体皆符合 RoHS 标准 Lead and body according with RoHS standard

机械数据 Mechanical Date

- 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

极限值和温度特性（TA=25℃除非另有规定）Ratings at 25℃ 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)	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	IFSM	30							Amp
单位时间内承受的最大电流 I^2t Rating for Fusing(t<8.3ms)	I^2t	5.0							A^2s
最大正向电压 Maximum Forward Voltage at 0.5A DC and 25℃	VF	1.0							Volts
最大反向电流@VDC Maximum Reverse Current at T_A=25℃	IR	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	CJ	13							PF
典型热阻 Typical Thermal Resistance	Rθ JA	60							℃/W
工作结温和存储温度 Operating and Storage Temperature Range	T_J, Tstg	-55 to +150							℃

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特性曲线 Characteristic Curves (TA=25 ℃ unless otherwise noted)

Fig.1 Derating Curve For Output Rectified Current

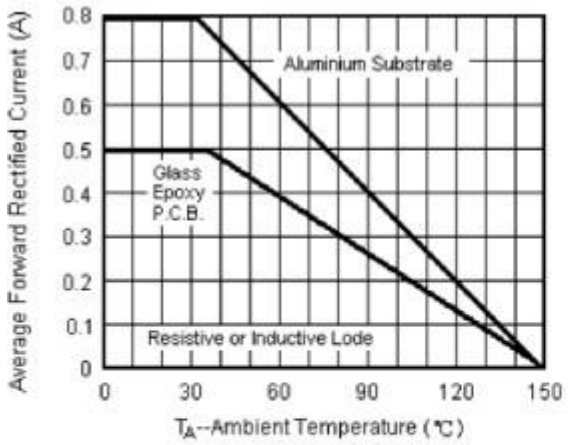

Fig.2 Maximum Non-Repetitive Peak Forward Surge Current Per Leg

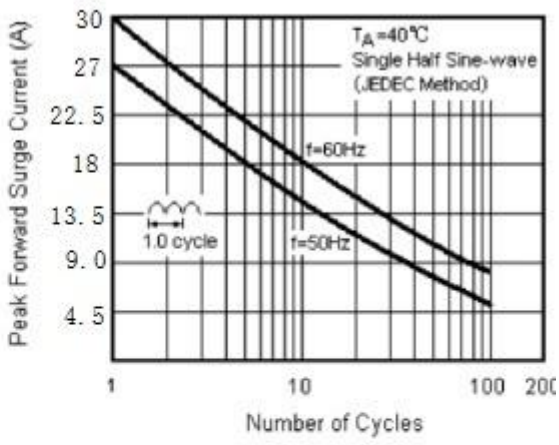

Fig.3 Typical Forward Voltage Characteristics Per Leg

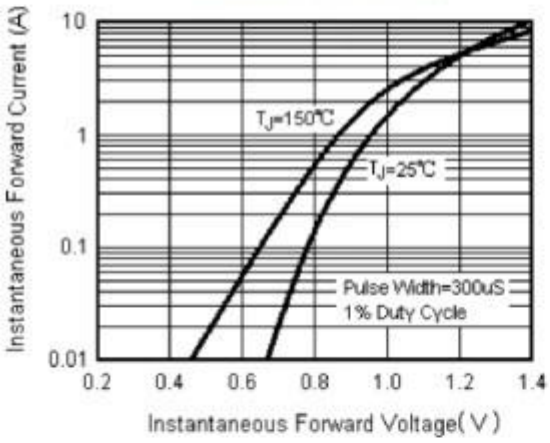

Fig.4 Typical Reverse Leakage Characteristics Per Leg

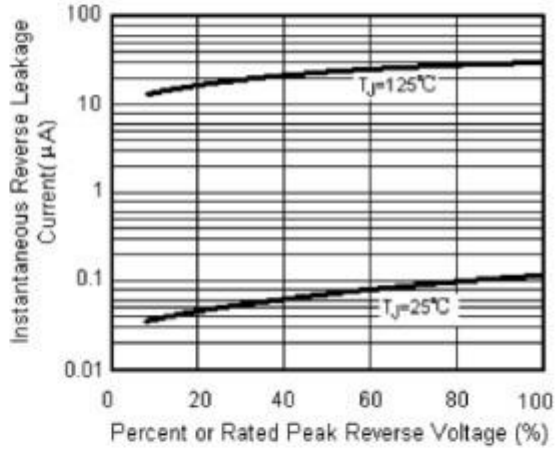

Fig.5 Typical Junction Capacitance Per Leg