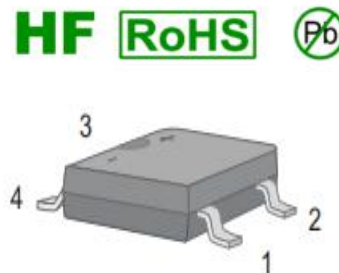
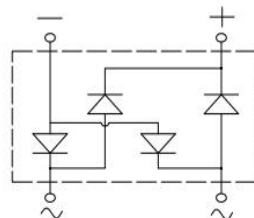


### Bridge Rectifier Diode 整流桥

#### ■Features 特点

Glass passivated chip junction 玻璃钝化结  
High surge current capability 高浪涌电流能力  
Reflow Solder Temperature 220℃ 回流焊温度 220 度  
Package 封装: MBF



#### ■Maximum Rating 最大额定值

( $T_A=25^{\circ}\text{C}$  unless otherwise noted 如无特殊说明, 温度为  $25^{\circ}\text{C}$ )

| Characteristic<br>特性参数                      | Symbol<br>符号    | MB05F<br>-AAF                                                       | MB1F<br>-AAF | MB2F<br>-AAF | MB4F<br>-AAF | MB6F<br>-AAF | MB8F<br>-AAF | MB10F<br>-AAF | Unit<br>单位                  |
|---------------------------------------------|-----------------|---------------------------------------------------------------------|--------------|--------------|--------------|--------------|--------------|---------------|-----------------------------|
| Peak Reverse Voltage<br>反向峰值电压              | $V_{RRM}$       | 50                                                                  | 100          | 200          | 400          | 600          | 800          | 1000          | V                           |
| DC Reverse Voltage<br>直流反向电压                | $V_{R(DC)}$     | 50                                                                  | 100          | 200          | 400          | 600          | 800          | 1000          | V                           |
| RMS Reverse Voltage<br>反向电压均方根值             | $V_{R(RMS)}$    | 35                                                                  | 70           | 140          | 280          | 420          | 560          | 700           | V                           |
| Forward Rectified Current<br>正向整流电流         | $I_F$           | 0.8                                                                 |              |              |              |              |              |               | A                           |
| Peak Surge Current<br>峰值浪涌电流                | $I_{FSM}$       | 30                                                                  |              |              |              |              |              |               | A                           |
| Thermal Resistance J-A<br>结到环境热阻            | $R_{\theta JA}$ | 75                                                                  |              |              |              |              |              |               | $^{\circ}\text{C}/\text{W}$ |
| Junction and Storage Temperature<br>结温和储藏温度 | $T_J, T_{stg}$  | $150^{\circ}\text{C}, -55^{\circ}\text{C to } +150^{\circ}\text{C}$ |              |              |              |              |              |               |                             |

#### ■Electrical Characteristics 电特性

( $T_A=25^{\circ}\text{C}$  unless otherwise noted 如无特殊说明, 温度为  $25^{\circ}\text{C}$ )

| Characteristic 特性参数                                                                | Symbol 符号 | Min 最小值 | Typ 典型值 | Max 最大值  | Unit 单位       | Condition 条件                   |
|------------------------------------------------------------------------------------|-----------|---------|---------|----------|---------------|--------------------------------|
| Forward Voltage 正向电压降                                                              | $V_F$     |         | 1       |          | V             | $I_F=0.4\text{A}$              |
| Reverse Current ( $T_A=25^{\circ}\text{C}$ )<br>反向漏电流( $T_A=125^{\circ}\text{C}$ ) | $I_R$     |         |         | 5<br>500 | $\mu\text{A}$ | $V_R=V_{RRM}$                  |
| Diode Capacitance 二极管电容                                                            | $C_D$     |         | 10      |          | pF            | $V_R=4\text{V}, f=1\text{MHz}$ |

### ■ Typical Characteristic Curve 典型特性曲线

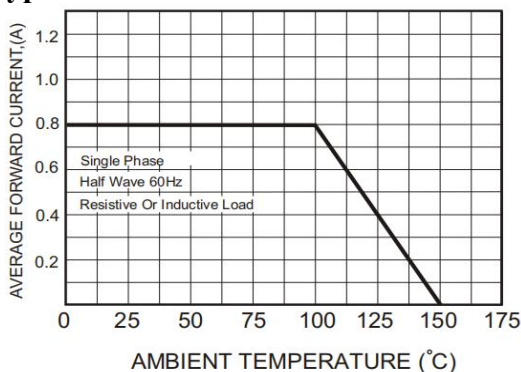


Figure 1: Forward Current Derating Curve

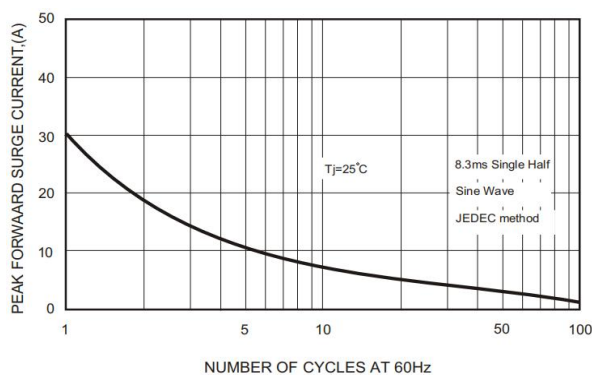


Figure 2: Peak Forward Surge Current

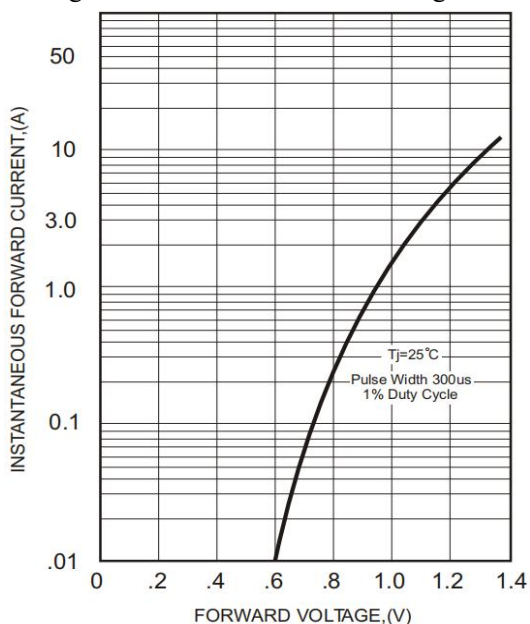


Figure 3: Instantaneous Forward Characteristics

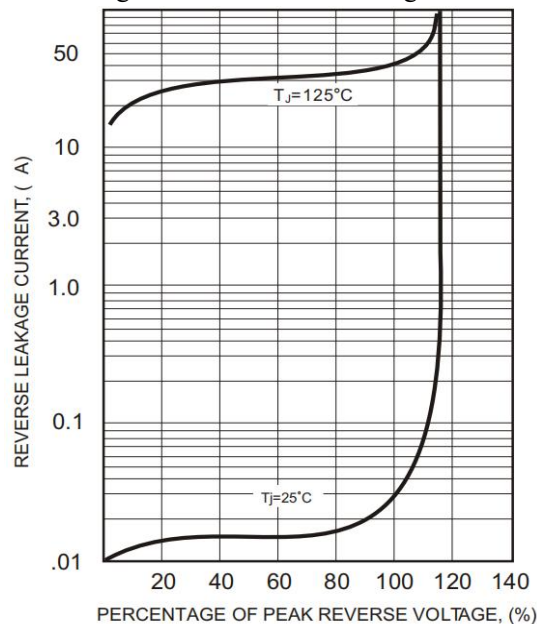


Figure 4: Reverse Leakage Characteristics

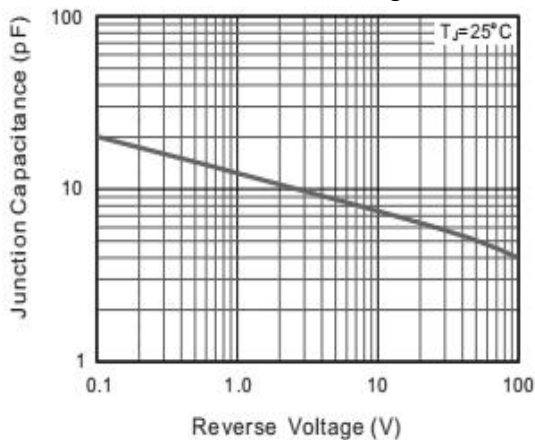
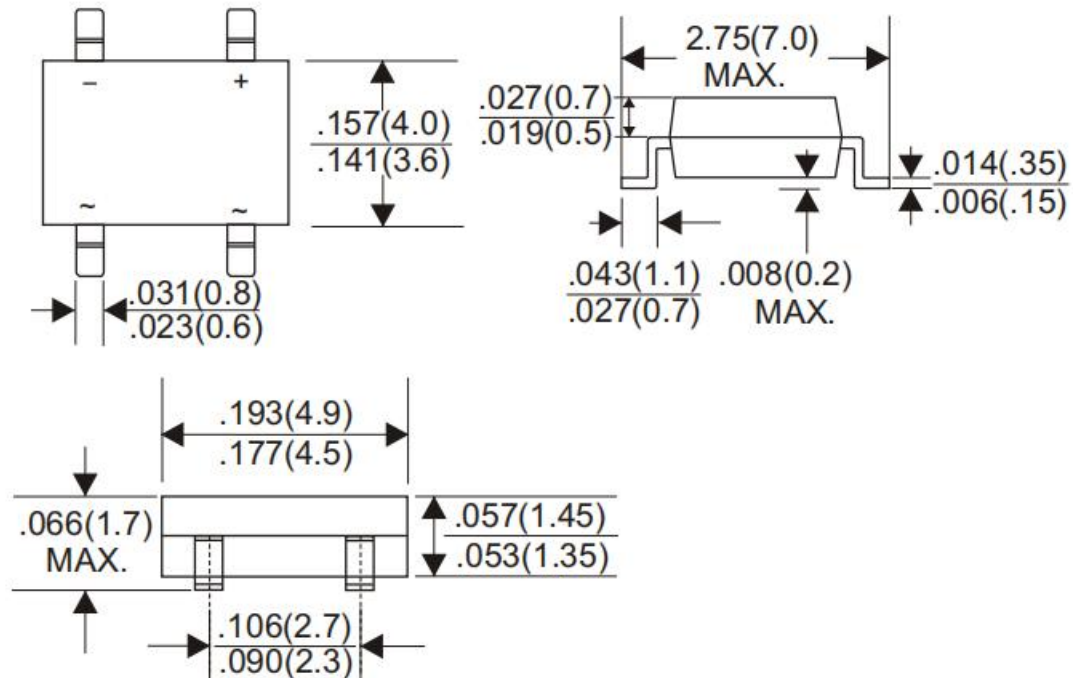


Figure 5: Junction Capacitance Characteristics

## ■Dimension 外形封装尺寸

### MBF



Dimensions in inches and (millimeters)