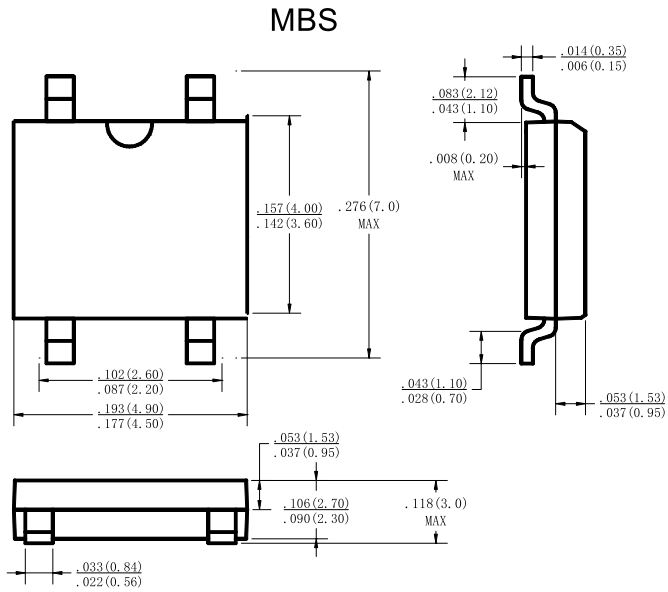




外形尺寸和印记 Outline Dimensions and Mark



特征 Features

- I_o 0.8A
- V_{RRM} 100V~1000V
- 玻璃钝化芯片
Glass passivated chip
- 耐正向浪涌电流能力高
High surge forward current capability

用途 Applications

- 作一般电源单相桥式整流用
General purpose 1 phase Bridge rectifier applications

极限值 (绝对最大额定值)
Limiting Values (Absolute Maximum Rating)

| 参数名称 Item | 符号 Symbol | 单位 Unit | 条件 Conditions | MB | | | | | |
|-------------------------------------------------------|--------------|------------------|--------------------------------------------------------------------------------------------------|-----------------------------------------|-----|-----|-----|-----|------|
| | | | | 1S | 2S | 4S | 6S | 8S | 10S |
| 反向重复峰值电压 Repetitive Peak Reverse Voltage | V_{RRM} | V | | 100 | 200 | 400 | 600 | 800 | 1000 |
| 平均整流输出电流 Average Rectified Output Current | I_o | A | 60Hz正弦波, 电阻负载, T_a 25 °C 60Hz sine wave, R-load, $T_a=25$ °C | 安装在氧化铝基板上 On alumina substrate | 0.8 | | | | |
| | | | | 安装在玻璃-环氧基板上 On glass-epoxi substrate | 0.5 | | | | |
| 正向 (不重复) 浪涌电流 Surge(Non repetitive)Forward Current | I_{FSM} | A | 60Hz正弦波, 一个周期, $T_j=25$ °C 60Hz sine wave, 1 cycle, $T_j=25$ °C | 30 | | | | | |
| 正向浪涌电流的平方对电流浪涌持续时间的积分值 Current Squared Time | I^2t | A ² S | $1ms \leq t < 8.3ms$ $T_j=25$ °C, 单个二极管 $1ms \leq t < 8.3ms$ $T_j=25$ °C, Rating of per diode | 3.7 | | | | | |
| 存储温度 Storage Temperature | T_{stg} | | | -55 ~+150 | | | | | |
| 结温 Junction Temperature | T_j | | | -55 ~+150 | | | | | |

电特性 (Ta=25°C 除非另有规定)

Electrical Characteristics (Ta=25°C Unless otherwise specified)

| 参数名称 Item | 符号 Symbol | 单位 Unit | 测试条件 Test Condition | 最大值 Max |
|--------------------------------|------------------|------------|-------------------------------------------------------------------------------------------------|------------|
| 正向峰值电压 Peak Forward Voltage | V_{FM} | V | $I_{FM}=0.4A$, 脉冲测试, 单个二极管的额定值 $I_{FM}=0.4A$, Pulse measurement, Rating of per diode | 1.05 |
| 反向峰值电流 Peak Reverse Current | I_{RRM} | μA | $V_{RM}=V_{RRM}$, 脉冲测试, 单个二极管的额定值 $V_{RM}=V_{RRM}$, Pulse measurement, Rating of per diode | 10 |
| 热阻 Thermal Resistance | $R_{\theta J-A}$ | °C/W | 结和环境之间, 安装在氧化铝基板上 Between junction and ambient, On alumina substrate | 76 |
| | | | 结和环境之间, 安装在玻璃-环氧基板上 Between junction and ambient, On glass-epoxi substrate | 134 |
| | $R_{\theta J-L}$ | | 结和引线之间 Between junction and lead | 20 |



■ 特性曲线 (典型)

图1: I_o - T_a 曲线
FIG1: I_o - T_a Curve

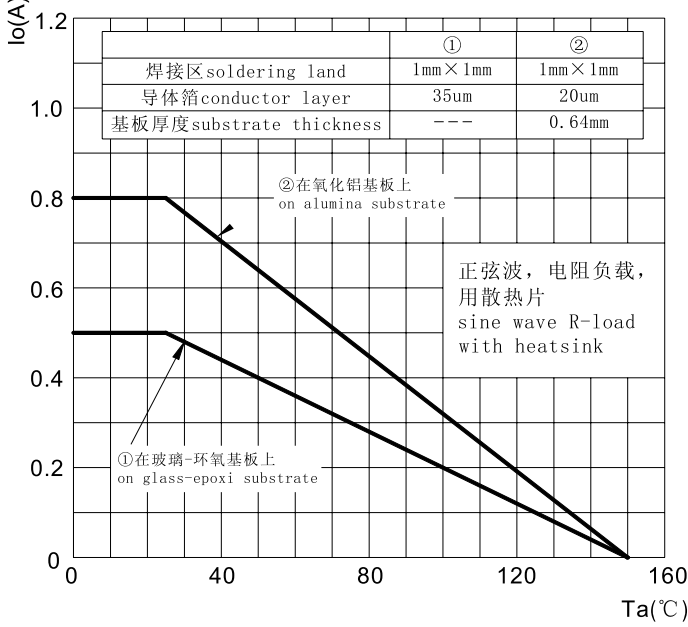


图2: 耐正向浪涌电流曲线
FIG2: Surge Forward Current Capacity

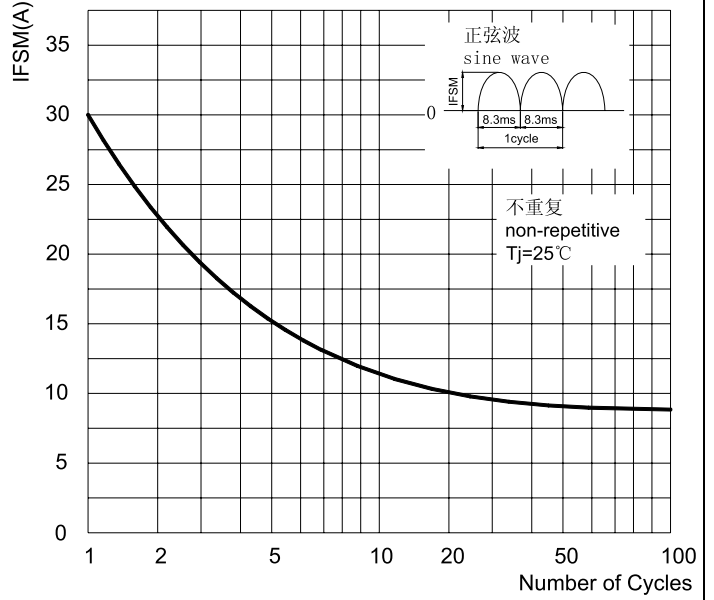


图3: 正向电压曲线
FIG3: Forward Voltage

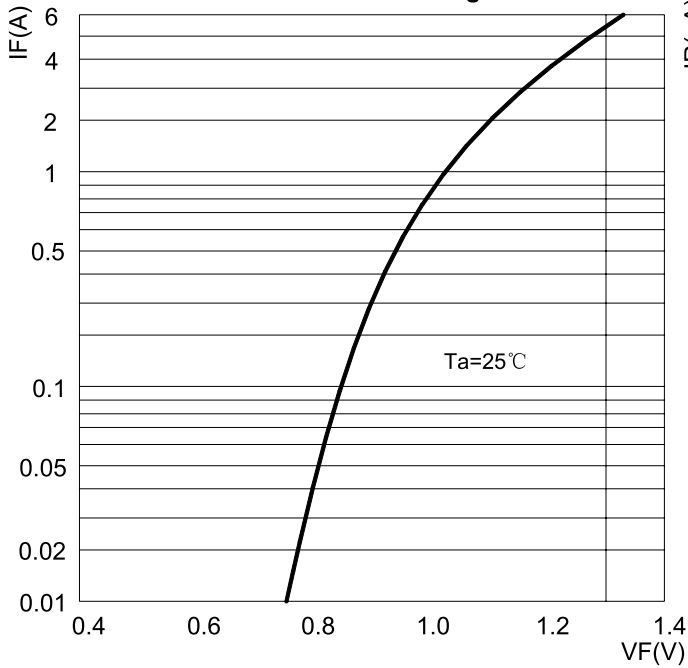


图4: 反向电流曲线
FIG4: Typical Reverse Characteristics

