



MB10S-MBS-46M

表面安装桥式整流器
反向电压 200 ~ 1000 V
正向电流 0.8 A

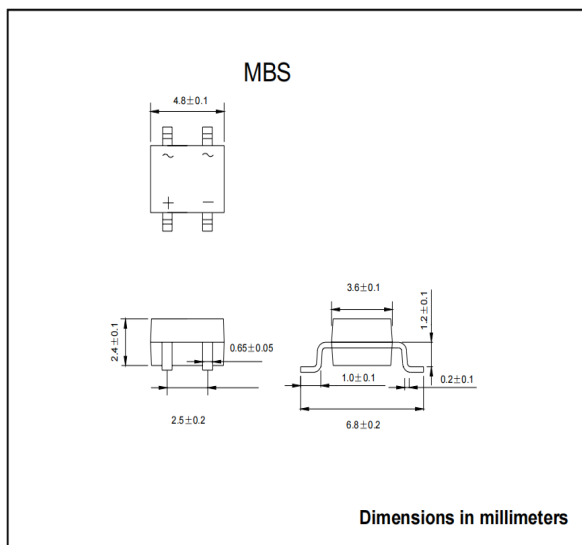
Surface Mount Bridge Rectifiers
Reverse Voltage 200 ~ 1000 V
Forward Current 0.8 A

特征 Features

- 反向漏电流低 Low reverse leakage
- 正向浪涌承受能力强 High forward surge capability
- 玻璃钝化芯片 Glass passivated chip
- 高温焊接保证 High temperature soldering guaranteed:
260°C/10 秒 260°C/10seconds
- 引线 and 管体皆符合RoHS标准。
Lead and body according with RoHS standard

机械数据 Mechanical Data

- 封装: MBS塑料封装 Case: MBS Molded plastic
- 极性: 标记模压或印于本体
Polarity: Symbols molded or marked on body
- 安装位置: 任意 Mounting Position: Any



最大值和特性 TA = 25°C 除非另有规定。

Maximum Ratings & Characteristics Ratings at 25°C ambient temperature unless otherwise specified.

参数 Parameter	符号 Symbols	MB10S	单位 Unit
最大可重复峰值反向电压 Maximum repetitive peak reverse voltage	V_{RRM}	1000	V
最大均方根电压 Maximum RMS voltage	V_{RMS}	700	V
最大直流阻断电压 Maximum DC blocking voltage	V_{DC}	1000	V
最大正向平均整流电流 (Note 1) TA= 25°C Maximum average forward rectified current	$I_{F(AV)}$	0.8	A
最大正向平均整流电流 (Note 2) TA= 25°C Maximum average forward rectified current		0.5	A
正向不重复浪涌电流 8.3 ms单一正弦半波 Non-repetitive peak forward surge current 8.3 ms singlehalf sine-wave	I_{FSM}	30	A
最大正向电压 @IF=0.4A Maximum forward voltage	V_F	1.1	V
最大反向电流 @V _{DC} TA = 25°C Maximum reverse current	I_R	5	μA
典型热阻 Typical thermal resistance (Note 3)	RθJA	85	°C/W
典型热阻 Typical thermal resistance (Note 4)	RθJL	20	
工作结温和存储温度 Operating junction and storage temperature range	T _J , T _{STG}	-55 --- +150	°C

备注 Note:

1) 安装在氧化铝基板上 On alumina substrate

2) 安装在玻璃-环氧基板上 On glass-epoxy substrate

3) 安装在PCB板上, 从PN结到环境的热阻。

Thermal resistance from junction to ambient, PCB mounted.

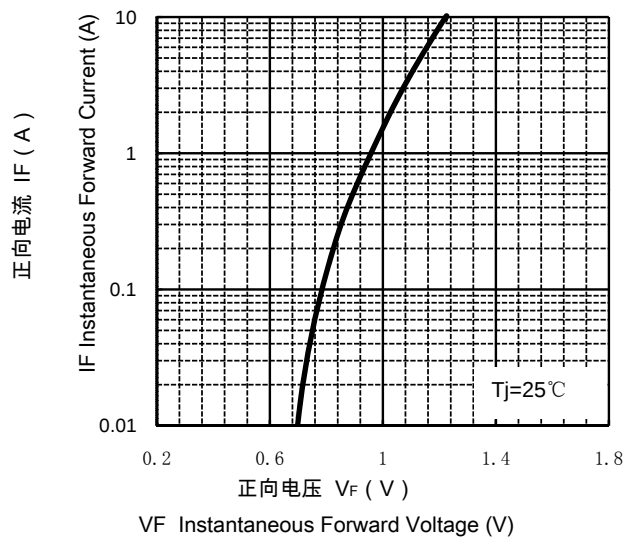
4) 结和引线之间 Between junction and lead



特性曲线 Characteristic Curves

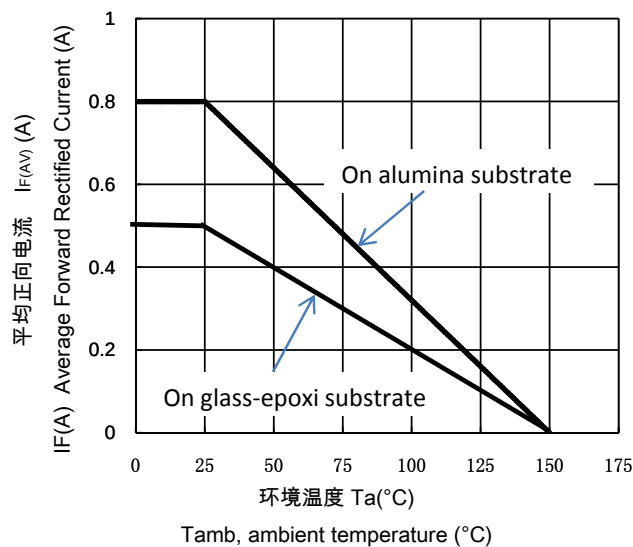
正向特性曲线 (典型值)

TYPICAL FORWARD CHARACTERISTIC



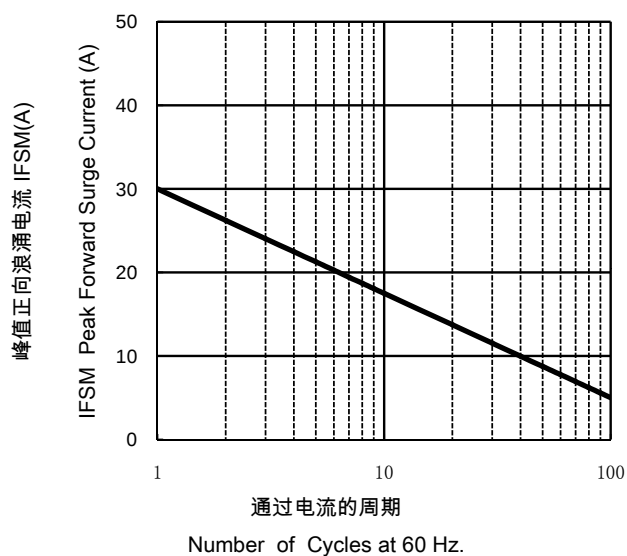
正向电流降额曲线

FORWARD CURRENT DERATING CURVE



浪涌特性曲线 (最大值)

MAXIMUM NON REPETITIVE
PEAK FORWARD SURGE CURRENT



反向特性曲线

Typical Reverse Characteristics

