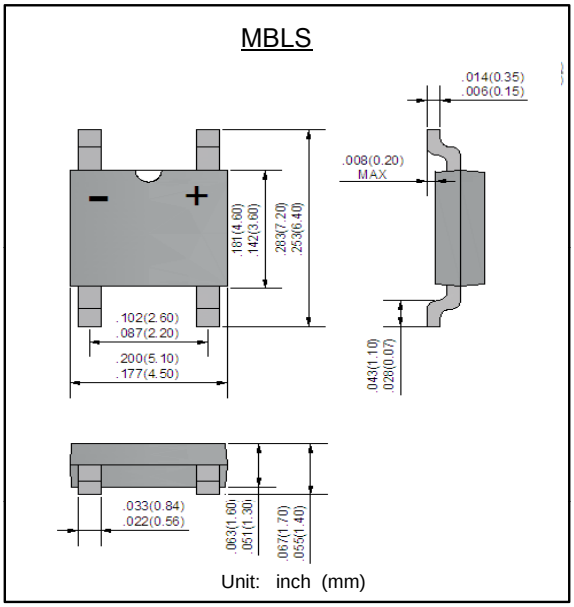
MBL2S-MBL10S

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

机械数据 Mechanical Data

- 封装: MBLS塑料封装 Case: MBLS 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℃ 除非另有规定。
Maximum Ratings & Characteristics Ratings at 25℃ ambient temperature unless otherwise specified.

参数 Parameter	符号 Symbols	MBL2S	MBL4S	MBL6S	MBL8S	MBL10S	单位 Unit
最大可重复峰值反向电压 Maximum repetitive peak reverse voltage	V_{RRM}	200	400	600	800	1000	V
最大均方根电压 Maximum RMS voltage	V_{RMS}	140	280	420	560	700	V
最大直流阻断电压 Maximum DC blocking voltage	V_{DC}	200	400	600	800	1000	V
最大正向平均整流电流 (Note 1) TA= 25℃ 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℃ Maximum average forward rectified current		0.5					A
正向不重复浪涌电流 10 ms单一正弦半波 Non-repetitive peak forward surge current 10 ms singlehalf sine-wave	I_{FSM}	35					A
最大正向电压 @IF=0.4A Maximum forward voltage	V_F	1.0					V
最大反向电流 @V_{DC} TA = 25℃ Maximum reverse current	I_R	5					μA
典型热阻 Typical thermal resistance (Note 3)	RθJA	76					℃/W
典型热阻 Typical thermal resistance (Note 4)	RθJA	134					
典型热阻 Typical thermal resistance (Note 5)	RθJL	20					
工作结温和存储温度 Operating junction and storage temperature rang	Tj, TSTG	-55 --- +150					℃

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-epoxi substrate

3)结和环境之间，安装在氧化铝基板上 Between junction and ambient, On alumina substrate

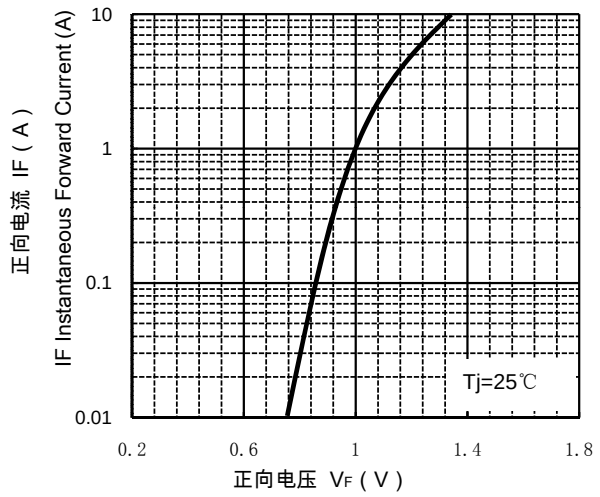
4)结和环境之间，安装在玻璃-环氧基板上 Between junction and ambient, On glass-epoxi substrate

5)结和引线之间 Between junction and lead

特性曲线 Characteristic Curves

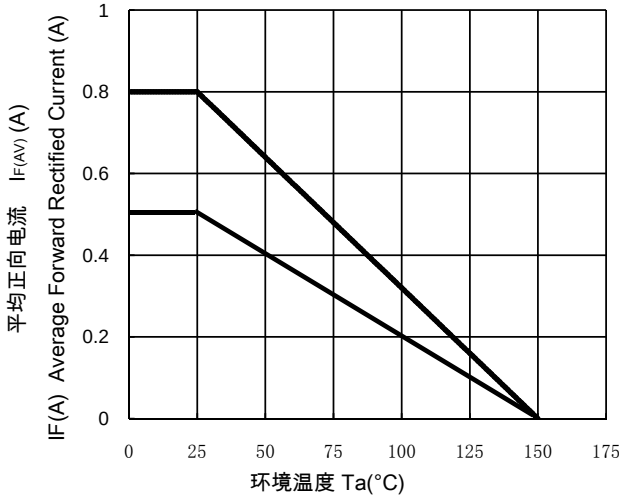
正向特性曲线（典型值）

TYPICAL FORWARD CHARACTERISTIC



正向电流降额曲线

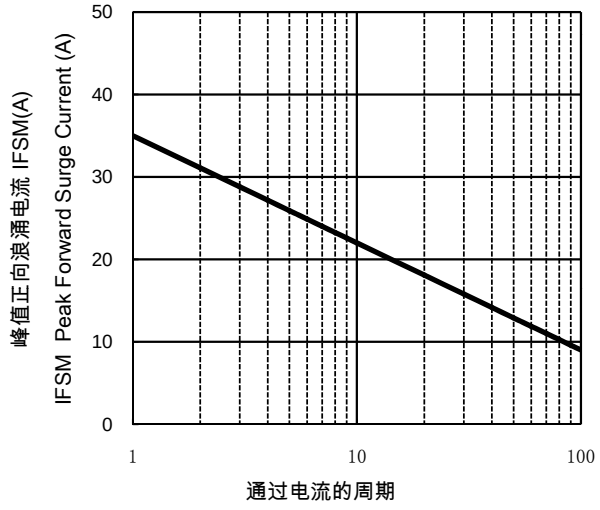
FORWARD CURRENT DERATING CURVE



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