

表面安装肖特基桥式整流器

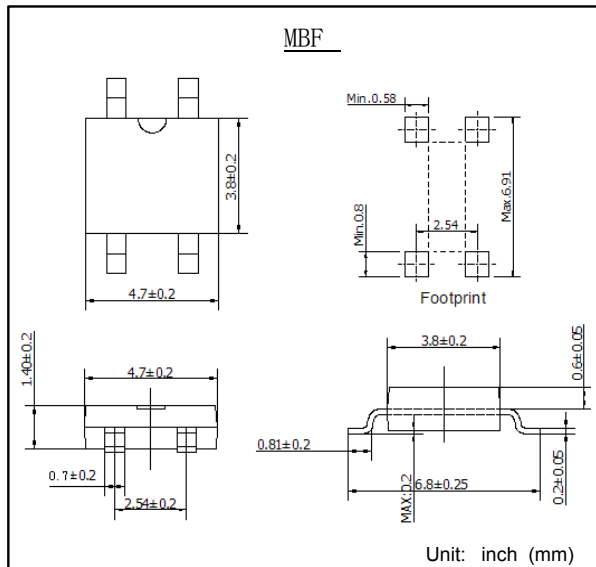
反向电压 60 V

正向电流 1.0 A

Surface Mount Trench Schottky Barrier Bridge Rectifiers

Reverse Voltage 60 V

Forward Current 1.0 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
- 高温焊接保证 High temperature soldering guaranteed:
- 260℃/10 秒 260℃/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: MBF 塑封 Case: MBF 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	QFB16F	单位 Unit
最大可重复峰值反向电压 Maximum repetitive peak reverse voltage	V_{RRM}	60	V
最大均方根电压 Maximum RMS voltage	V_{RMS}	42	V
最大直流阻断电压 Maximum DC blocking voltage	V_{DC}	60	V
最大正向平均整流电流 Maximum average forward rectified current	$I_F(AV)$	1.0	A
正向峰值浪涌电流 1ms单一正弦半波 TA= 25℃ Peak forward surge current 1ms single half sine-wave superimposed on rated load	I_{FSM}	30	A
最大正向电压 @IF=1.0A Maximum forward voltage	V_F	0.70	V
最大反向电流 @V _{DC} TA= 25℃ Maximum reverse current TA= 100℃	I_R	200 20	μA mA
典型热阻 Typical thermal resistance (Note 1)	$R_{\theta JA}$ $R_{\theta JL}$	105 30	℃/W
典型结电容 VR=4.0V, f=1MHz Type junction capacitance	C_J	280	pF
工作结温 Operating junction temperature rang	T_J	-55 --- +125	℃
存储温度 Storage temperature rang	T_{STG}	-55 --- +150	℃

备注 Note:

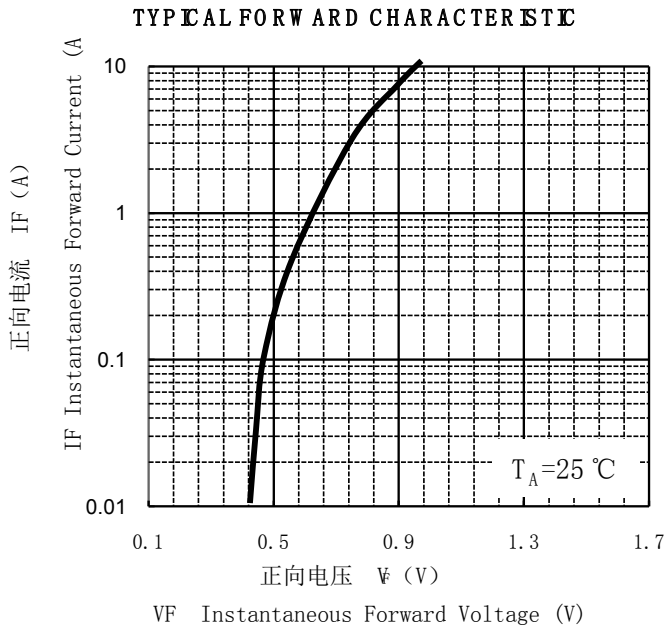
1) 安装在PCB板上, 从PN结到环境的热阻。

1) Thermal resistance from junction to ambient , PCB mounted.

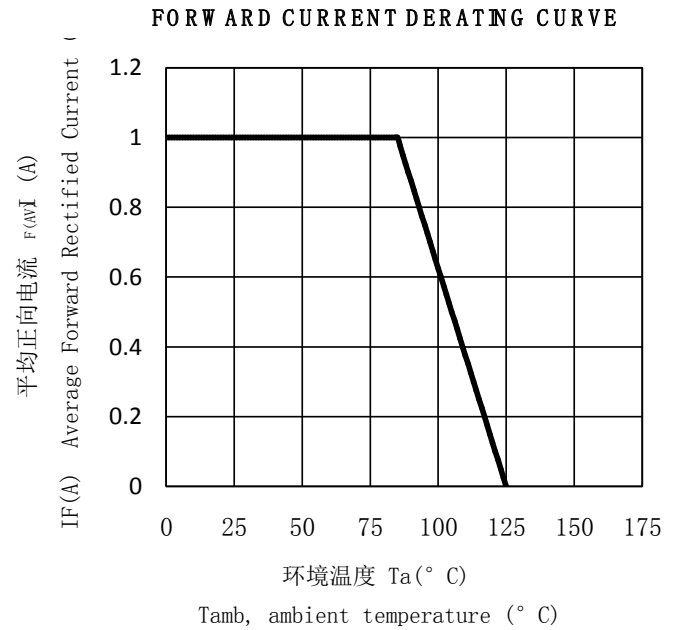


特性曲线 Characteristic Curves

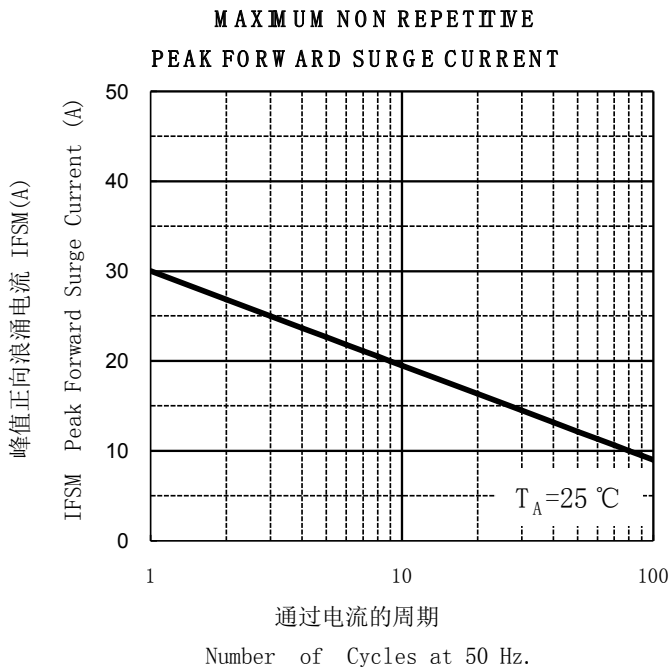
正向特性曲线 (典型值)



正向电流降额曲线



浪涌特性曲线 (最大值)



反向特性曲线

