



肖特基二极管

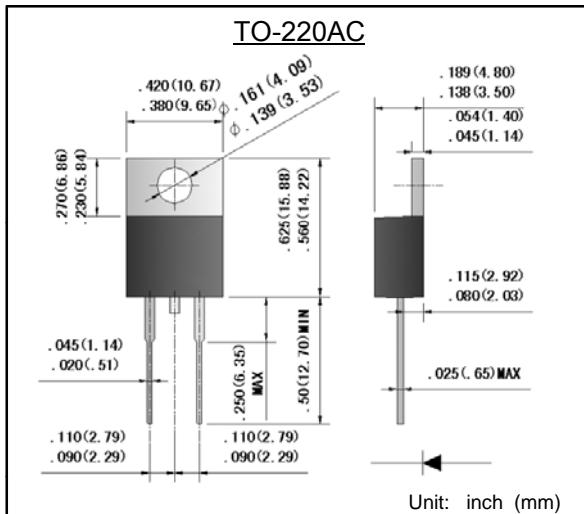
反向电压 40 ~ 200 V

正向电流 10 A

Schottky Barrier Rectifiers

Reverse Voltage 40 ~ 200 V

Forward Current 10 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
- 高信赖性 High reliability
- 引线和管体皆符合RoHS标准 Lead and body according with RoHS standard
- 型号后缀“-F”标记无卤素产品 Green compound with suffix "-F" on Marking

## 机械数据 Mechanical Data

- 封装外形: TO-220AC 塑封 Case: TO-220AC Molded plastic
- 环氧树脂 : UL易燃等级 : 94V-0  
Epoxy: UL 94V-0 rate flame retardant
- 引脚 : 镀锡,无铅 Lead: Pure tin plated, lead free
- 安装位置: 任意 Mounting Position: Any
- 安装扭距: 推荐值 0.3牛\*米 Mounting torque : Recommend 0.3 N\*m

最大值和特性 TA = 25°C 除非另有规定。

Maximum Ratings &amp; Characteristics

Ratings at 25°C ambient temperature unless otherwise specified.

参数 Parameter	符号 Symbols	MBR 1040	MBR 1045	MBR 1050	MBR 1060	MBR 1080	MBR 10100	MBR 10150	MBR 10200	单位 Unit
最大可重复峰值反向电压 Maximum repetitive peak reverse voltage	V <sub>RRM</sub>	40	45	50	60	80	100	150	200	V
最大均方根电压 Maximum RMS voltage	V <sub>RMS</sub>	28	31.5	35	42	56	70	105	140	V
最大直流阻断电压 Maximum DC blocking voltage	V <sub>DC</sub>	40	45	50	60	80	100	150	200	V
最大正向平均整流电流 Maximum average forward rectified current	I <sub>F(AV)</sub>						10.0			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 <sub>FSM</sub>						125			A
最大正向电压 @IF=10.0A Maximum forward voltage	V <sub>F</sub>		0.70		0.80		0.85	0.95	0.99	V
最大反向电流 @V <sub>DC</sub> TA= 25°C Maximum reverse current	I <sub>R</sub>			100				50		uA
典型热阻 Typical thermal resistance (Note 1)	R <sub>θJC</sub>				2					°C/W
工作结温和存储温度 Operating junction and storage temperature rang	T <sub>j</sub> , T <sub>STG</sub>				-55 --- +150					°C

备注 Note:

1) 安装在PCB板上，从PN结到管体的热阻。

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



## 特性曲线 Characteristic Curves

