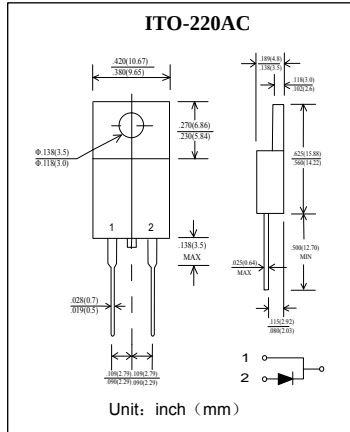


肖特基二极管
反向电压 40---100V
正向电流 15 A

Schottky Barrier Rectifier
Reverse Voltage 40 to 100 V
Forward Current 15 A



特征 Features

- 大电流承受能力。High Current Capability
- 正向压降低。Low Forward Voltage Drop
- 低功耗高效率。Low Power Loss, High Efficiency
- 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: 塑料封装 Case: 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
- 安装扭矩: 推荐值 0.3牛*米 Mounting torque: Recommend 0.3 N*m

极限值和温度特性 $T_A = 25^\circ\text{C}$ 除非另有规定。

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

	符号 Symbols	MBRF 1540	MBRF 1545	MBRF 1550	MBRF 1560	MBRF 15100	单位 Unit
最大可重复峰值反向电压 Maximum repetitive peak reverse voltage	V_{RRM}	40	45	50	60	100	V
最大均方根电压 Maximum RMS voltage	V_{RMS}	28	31.5	35	42	70	V
最大直流阻断电压 Maximum DC blocking voltage	V_{DC}	40	45	50	60	100	V
最大正向平均整流电流 Maximum average forward rectified current	$I_{F(AV)}$	15					A
峰值正向浪涌电流 8.3ms单一正弦半波 Peak forward surge current 8.3 ms single half sine-wave	I_{FSM}	150					A
典型热阻 Typical thermal resistance	$R_{\theta JC}$	3.0					$^\circ\text{C/W}$
工作结温和存储温度 Operating junction and storage temperature range	T_J, T_{STG}	-55--- +150					$^\circ\text{C}$

电特性 $T_A = 25^\circ\text{C}$ 除非另有规定。

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

	符号 Symbols	MBRF 1540	MBRF 1545	MBRF 1550	MBRF 1560	MBRF 15100	单位 Unit
最大正向电压 Maximum forward voltage	I _F = 15A V _F	0.63		0.80		0.85	V
最大反向电流 Maximum reverse current	TA= 25℃ TA=100℃ I _R	0.2 15					mA
典型结电容 Type junction capacitance	V _R = 4.0V, f = 1MHz C _j	500					pF

特性曲线 Characteristic Curves

