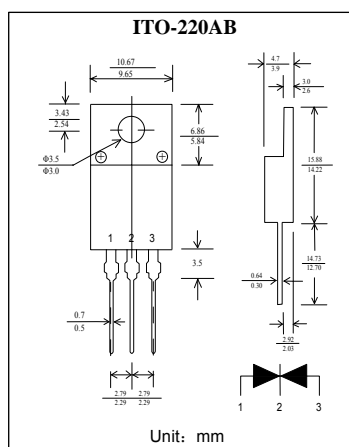


肖特基二极管
反向电压 30---100V
正向电流(单管)5.0 A

Schottky Barrier Rectifier
Reverse Voltage 30 to 100 V
Forward Current(Single) 5.0 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

极限值和温度特性 TA = 25℃ 除非另有规定。

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

	符号 Symbols	MBRF 1030CT	MBRF 1035CT	MBRF 1040CT	MBRF 1045CT	MBRF 1050CT	MBRF 1060CT	MBRF 1080CT	MBRF 10100CT	单位 Unit
最大可重复峰值反向电压 Maximum repetitive peak reverse voltage	V_{RRM}	30	35	40	45	50	60	80	100	V
最大均方根电压 Maximum RMS voltage	V_{RMS}	21	24.5	28	31.5	35	42	56	70	V
最大直流阻断电压 Maximum DC blocking voltage	V_{DC}	30	35	40	45	50	60	80	100	V
最大正向平均整流电流 Maximum average forward rectified current	$I_{F(AV)}$	10								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}	125								A
最大反向峰值电流 @TA = 75℃ Maximum peak reverse current full cycle	$I_{R(AV)}$	5								mA
典型热阻 Typical thermal resistance	$R_{\theta JA}$	30								℃/W
工作结温和存储温度 Operating junction and storage temperature range	Tj, TSTG	-55 --- +150								℃

电特性 TA = 25℃ 除非另有规定。

Electrical Characteristics Ratings at 25℃ ambient temperature unless otherwise specified.

	符号 Symbols	MBRF 1030CT	MBRF 1035CT	MBRF 1040CT	MBRF 1045CT	MBRF 1050CT	MBRF 1060CT	MBRF 1080CT	MBRF 10100CT	单位 Unit	
最大正向电压 $I_F = 5A$ Maximum forward voltage	V_F	0.70			0.80			0.85		V	
最大反向电流 TA= 25℃ Maximum reverse current TA=100℃	I_R	0.5 50					0.15 15				mA
典型结电容 $V_R = 4.0V, f = 1MHz$ Type junction capacitance	C_j	150								pF	

特性曲线 Characteristic Curves

