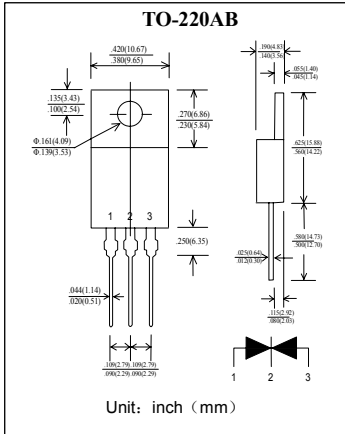


肖特基二极管
反向电压 30---100V
正向电流(单管) 10.0 A

Schottky Barrier Rectifier
Reverse Voltage 30 to 100 V
Forward Current(Single) 10.0 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

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
- 重量: 2.24 克 Weight: 2.24 Grams

极限值和温度特性 TA = 25°C 除非另有规定。

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

	符号 Symbols	MBR 2030CT	MBR 2035CT	MBR 2040CT	MBR 2045CT	MBR 2050CT	MBR 2060CT	MBR 2080CT	MBR 20100CT	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}	150								A
最大反向峰值电流 @TA = 75°C Maximum peak reverse current full cycle	I _{R(AV)}	5								mA
典型热阻 Typical thermal resistance	R _{θJA}	30								K/W
工作结温和存储温度 Operating junction and storage temperature range	T _j , T _{STG}	-50 --- +150								°C

电特性 TA = 25°C 除非另有规定。

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

	符号 Symbols	MBR 2030CT	MBR 2035CT	MBR 2040CT	MBR 2045CT	MBR 2050CT	MBR 2060CT	MBR 2080CT	MBR 20100CT	单位 Unit	
最大正向电压 I _F = 10A T _C = 25°C Maximum forward voltage I _F = 10A T _C = 125°C	V _F	0.84			0.95			0.85		V	
最大反向电流 TA = 25°C Maximum reverse current TA = 125°C	I _R	3				15					mA
典型结电容 V _R = 4.0V, f = 1MHz Type junction capacitance	C _j	650									pF

特性曲线 Characteristic Curves

