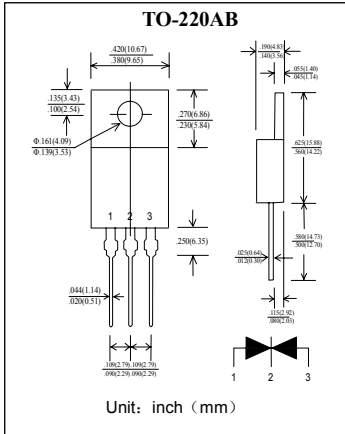


肖特基二极管
反向电压 30---100V
正向电流(单管)8.0 A

Schottky Barrier Rectifier
Reverse Voltage 30 to 100 V
Forward Current(Single) 8.0 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	MBR1630CT	MBR1635CT	MBR1640CT	MBR1645CT	MBR1650CT	MBR1660CT	MBR1680CT	MBR16100CT	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)}	8.0								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)}	60								µA
典型热阻 Typical thermal resistance	R _{θJA}	1.5				3.0				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	MBR1630CT	MBR1635CT	MBR1640CT	MBR1645CT	MBR1650CT	MBR1660CT	MBR1680CT	MBR16100CT	单位 Unit
最大正向电压 I _F = 8.0A T _C = 25°C Maximum forward voltage	V _F	0.65				0.75				V
最大反向电流 TA = 25°C Maximum reverse current TA = 125°C	I _R	0.2 40				1.0 50				mA
典型结电容 V _R = 4.0V, f = 1MHz Type junction capacitance	C _j	450								pF

特性曲线 Characteristic Curves

