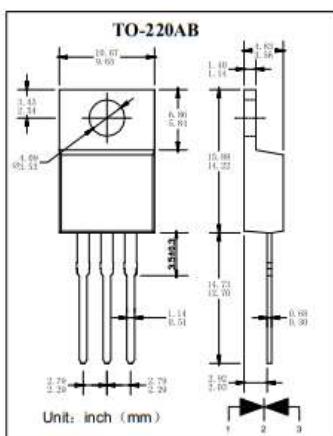


MBR2040CT MBR20200CT

Schottky Barrier Rectifier

Reverse Voltage 40 to 200 V

Forward Current 20A



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
- 引线和管体皆符合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
- 安装扭距: 推荐值 0.3牛*米 Mounting torque: Recommend 0.3 N·m

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 2040CT	MBR 2045CT	MBR 2050CT	MBR 2060CT	MBR 20100CT	MBR 20150CT	MBR 20200CT	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	150	200	V
最大均方根电压 Maximum RMS voltage	V _{RMS}	28	31	35	42	70	105	140	V
最大直流阻断电压 Maximum DC blocking voltage	V _{DC}	40	45	50	60	100	150	200	V
最大正向平均整流电流 Maximum average forward rectified current	I _{F(AV)}					20			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 _{θJC}			1.5			3.5		°C/W
工作结温和存储温度 Operating junction and storage temperature range	T _j , T _{STG}			-55 --- +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 2040CT	MBR 2045CT	MBR 2050CT	MBR 2060CT	MBR 20100CT	MBR 20150CT	MBR 20200CT	单位 Unit
最大正向电压 Maximum forward voltage	I _F = 10A	V _F	0.63		0.75	0.85	0.95	0.99	V
最大反向电流 Maximum reverse current	T _j = 25°C T _j = 100°C	I _R	0.10 15		0.15 150				mA
典型结电容 V _R = 4.0V, f = 1MHz Type junction capacitance	C _j	400			310				pF

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Characteristic Curves

