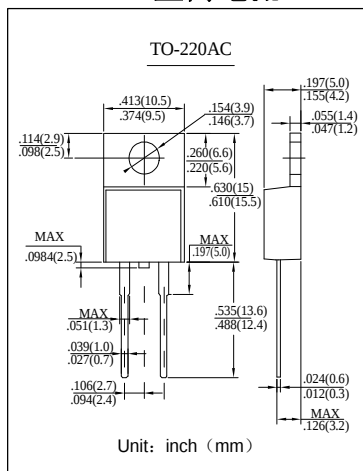


肖特基二极管
反向电压 150V---200V
正向电流15A

Schottky Barrier Rectifier
Reverse Voltage 150 V to 200V
Forward Current15 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: 2.00 克 Weight: 2.00 Grams

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	MBR 15150	MBR 15200	单位 Unit
最大可重复峰值反向电压 Maximum repetitive peak reverse voltage	V_{RRM}	150	200	V
最大均方根电压 Maximum RMS voltage	V_{RMS}	105	140	V
最大直流阻断电压 Maximum DC blocking voltage	V_{DC}	150	200	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	$R_{\theta Jc}$	3.5		℃/W
工作结温和存储温度 Operating junction and storage temperature range	T_J, T_{STG}	-55 --- +150		℃

电特性 TA = 25℃ 除非另有规定。

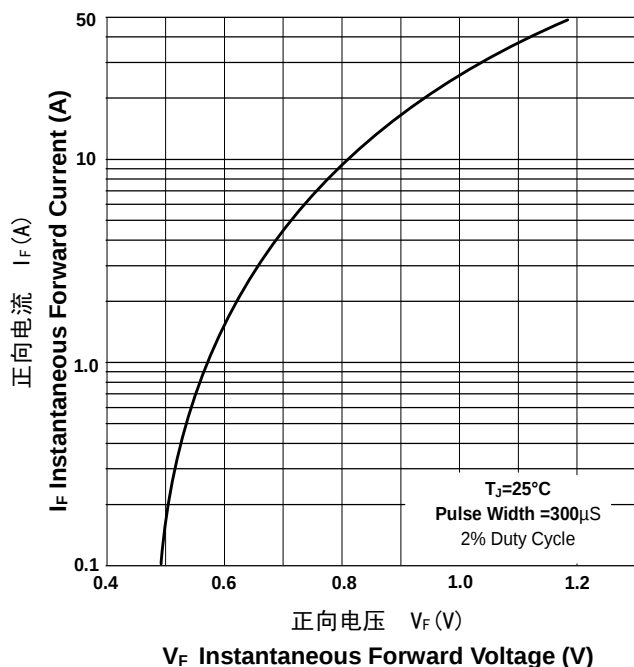
Electrical Characteristics Ratings at 25℃ ambient temperature unless otherwise specified.

	符号 Symbols	MBR 15150	MBR 15200	单位 Unit
最大正向电压 $I_F = 7.5A$ Maximum forward voltage	V_F	0.95	0.99	V
最大反向电流 TA= 25℃ Maximum reverse current TA=100℃	I_R	0.15 20		mA
典型结电容 $V_R = 4.0V, f = 1MHz$ Type junction capacitance	C_j	310		pF

特性曲线 Characteristic Curves

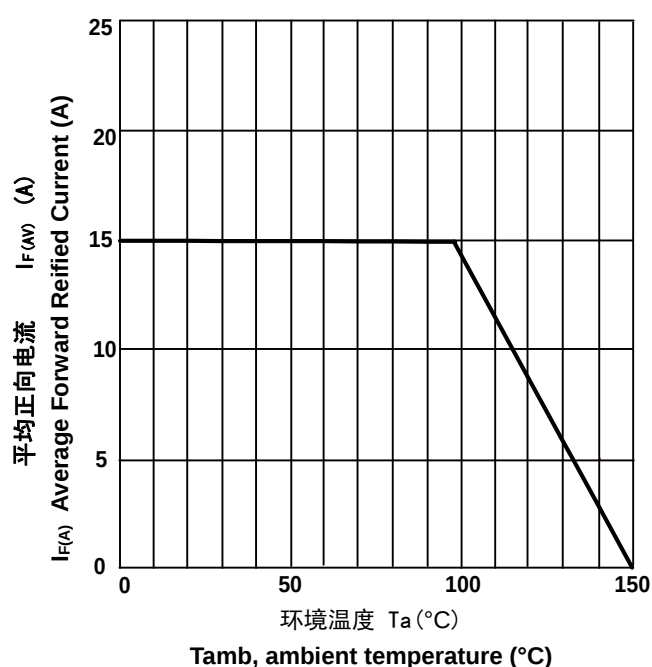
正向特性曲线（典型值）

TYPICAL FORWARD CHARACTERISTIC



正向电流降额曲线

FORWARD CURRENT DERATING CURVE



浪涌特性曲线（最大值）

MAXIMUM NON REPETITIVE
PEAK FORWARD SURGE CURRENT

