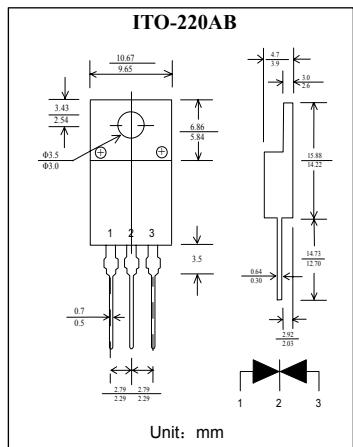


塑封肖特基二极管
反向电压 150 V
正向电流 20 A

Plastic Schottky Barrier Rectifier
Reverse Voltage 150V
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

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	FCH20A15	单位 Unit
最大可重复峰值反向电压 Maximum repetitive peak reverse voltage	V _{RRM}	150	V
最大均方根电压 Maximum RMS voltage	V _{RMS}	105	V
最大直流阻断电压 Maximum DC blocking voltage	V _{DC}	150	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 _{θj-c}	1.5	°C/W
工作结温和存储温度 Operating junction and storage temperature range	T _j , T _{TSG}	-40 --- +150	°C

电特性 TA = 25°C 除非另有规定。

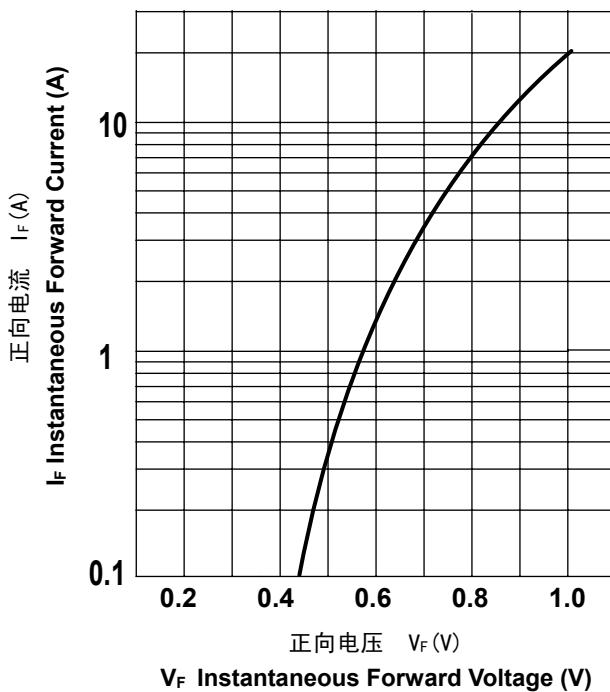
Electrical Characteristics Ratings at 25°C ambient temperature unless otherwise specified.

	符号 Symbols	FCH20A15	单位 Unit	
最大正向电压 Maximum forward voltage	I _F = 10A	V _F	0.90	V
最大反向电流 Maximum reverse current	TA=25°C	I _R	0.15	mA

特性曲线 Characteristic Curves

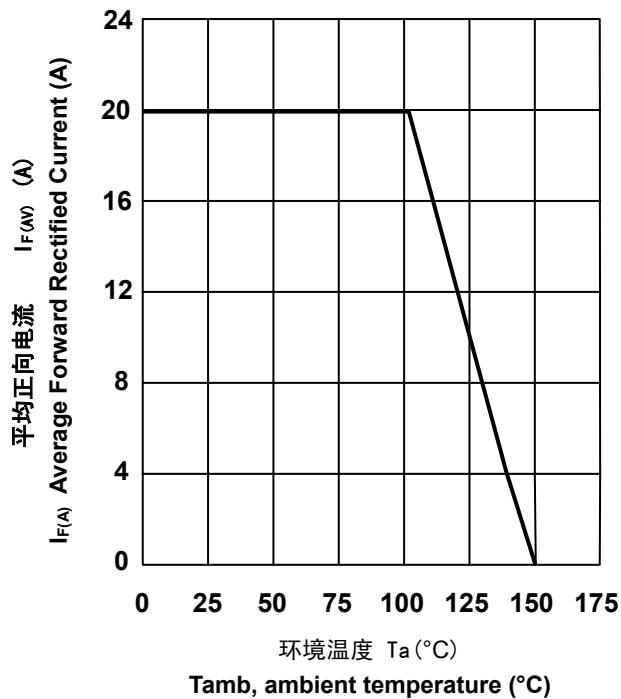
正向特性曲线（典型值）

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

