

描述 / Descriptions

TO-220 塑封封装 肖特基二极管。

Schottky Barrier Diode in a TO-220 Plastic Package.

特征 / Features

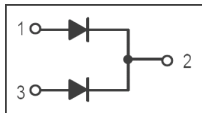
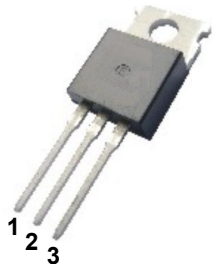
损耗低，效率高。

Low power loss, high efficiency.

用途 / Applications

用于高频、低压、大电流整流二极管，续流二极管，保护二极管。

For use in low voltage, high frequency inverters, free wheeling, and polarity protection applications.

内部等效电路 / Equivalent Circuit**引脚排列 / Pinning**

PIN1: Anode PIN 2: Cathode PIN 3: Anode

放大及印章代码 / h_{FE} Classifications & Marking

见印章说明。 See Marking Instructions



极限参数 / Absolute Maximum Ratings(Ta=25°C)

参数 Parameter	符号 Symbol	数值 Rating	单位 Unit
Peak Repetitive Reverse Voltage	V_{RRM}	100	V
Peak Repetitive Forward Current	I_{FRM}	20	A
Average Rectified Forward Current	$I_{F(AV)}$	10	A
	$I_{F(AV)(total)}$	20	A
Non-Repetitive Peak Forward Surge Current	I_{FSM}	150	A
Repetitive Peak Reverse Surge Current	I_{RRM}	0.5	A
Thermal Resistance Junction to Case	$R_{\theta Jc}$	2.0	°C/W
Junction Temperature Range	T_j	150	°C
Storage Temperature Range	T_{stg}	-55~150	°C

电性能参数 / Electrical Characteristics(Ta=25°C)

参数 Parameter	符号 Symbol	测试条件 Test Conditions	最小值 Min	典型值 Typ	最大值 Max	单位 Unit
Forward Voltage	V_F	$I_F=10A(T_C=25^\circ C)$			0.8	V
		$I_F=10A(T_C=125^\circ C)$			0.7	V
		$I_F=20A(T_C=25^\circ C)$			0.95	V
		$I_F=20A(T_C=125^\circ C)$			0.85	V
Instantaneous Reverse Current	I_R	$V_R=100V(T_C=25^\circ C)$			0.15	mA
		$V_R=100V(T_C=125^\circ C)$			150	mA
Voltage Rate of Change	dv/dt				10000	V/μs