

SR320 THRU SR3100

Schottky Barrier Rectifiers 肖特基势垒整流二极管

Reverse Voltage - 20 to 100 Volts 反向电压 20-100V Forward Current - 3.0 Amperes 正向电流 3A

Features 特征

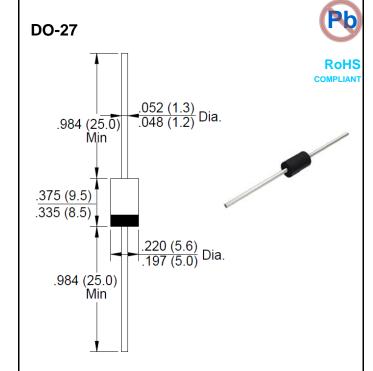
- Low forward voltage drop 正向压降低
- High surge capability 耐浪涌能力高
- The plastic material carries UL recognition 94V-0 塑封体符合UL 94V-0 阻燃等级

Mechanical Data 外观信息

- ●Case: JEDEC DO-27 molded plastic 封装: D0-27封装
- Polarity: Color band denotes cathode 极性: 阴极色环标识
- Mounting position: Any 安装位置: 不限

Applications 应用

● For use in low vlotage, high frequency inverters, polarity protection applications 应用于低压,高频变换器,极性保护。



Package Outline Dimensions in Inches (Millimeters)

封装外观尺寸单位英寸(毫米)

Maximum Ratings and Electrical Characteristics 最大额定值及电气特性

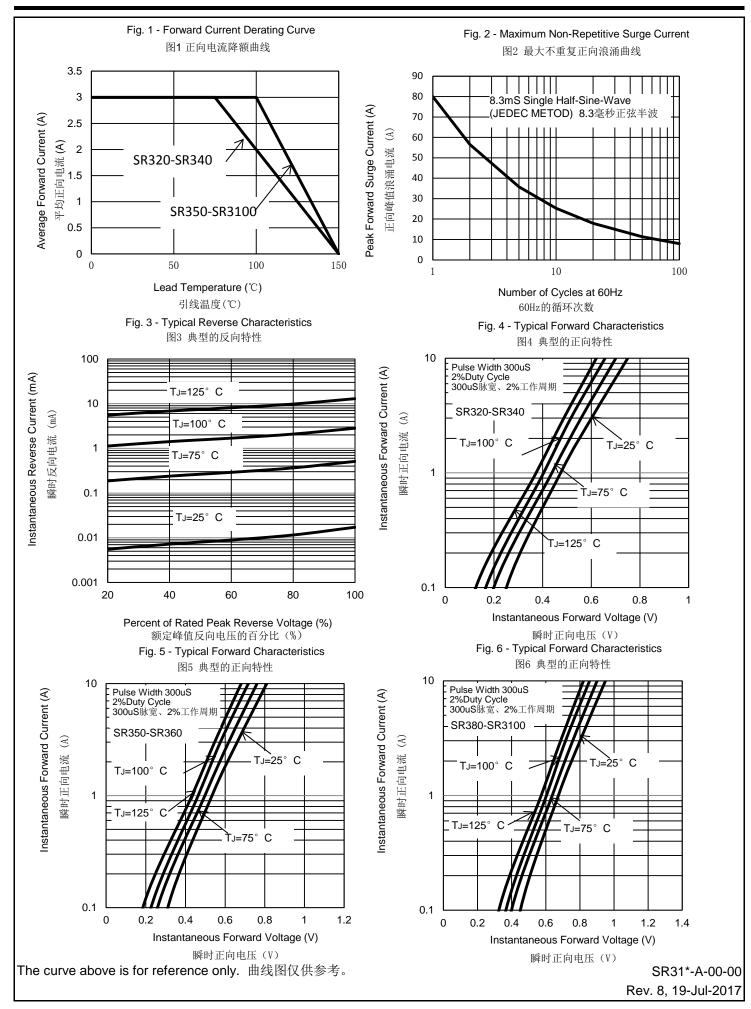
Rating at 25℃ ambient temperature unless otherwise specified. 环境温度25℃,除非特别说明。 Single phase, half wave, 60Hz, resistive or inductive load. 单相半波, 60Hz, 阻性或感性负载。 For capacitive load, derate current by 20%. 对于电容性负载,降低20%的额定电流。

Characteristics 特性	Symbol 符号	SR320	SR330	SR340	SR350	SR360	SR380	SR3100	Unit 单位
Maximum Repetitive Peak Reverse Voltage 最大重复峰值反向电压	VRRM	20	30	40	50	60	80	100	V
Maximum RMS Voltage 最大有效反向电压	VRMS	14	21	28	35	42	56	70	V
Maximum DC Blocking Voltage 最大直流阻断电压	VDC	20	30	40	50	60	80	100	V
Maximum Average Forward Rectified Current (See Fig.1) 最大正向平均整流电流(图1)	I(AV)	3.0							Α
Peak Forward Surge Current, 8.3mS Single Half Sine-Wave, Superimposed on Rated Load (JEDEC Method) 8.3mS单一正弦半波叠加在额定负载上的浪涌能力(JEDEC方法)	İFSM	80							Α
Peak Forward Voltage at 3.0 A DC 在3A 电流下的正向峰值电压	VF	0.55 0.7				.7	0.85		V
Maximum DC Reverse Current @TJ=25℃ at Rated DC Blocking Voltage @TJ=100℃ 在额定直流电压下的最大反向直流电流	lr	1.0 20							mA
Typical Junction Capacitance (Note1)典型的结电容(备注1)	CJ	250						pF	
Typical Thermal Resistance Junction to Lead 结到引脚的典型热阻值	Rejl	20 10							°C/W
Junction Temperature Range 结温工作范围	TJ	-55 to +150							${\mathbb C}$
Storage Temperature Range 储存温度范围	Tstg	-55 to +150							${\mathbb C}$

Notes: 1. Measured at 1.0 MHz and applied reverse voltage of 4.0V DC. 在 1.0MHz 下和反向电压为 4.0V DC下测试。

2. The typical data above is for reference only. 典型值仅供参考。







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