



SR820 THRU SR8100

肖特基二极管 Schottky Rectifier

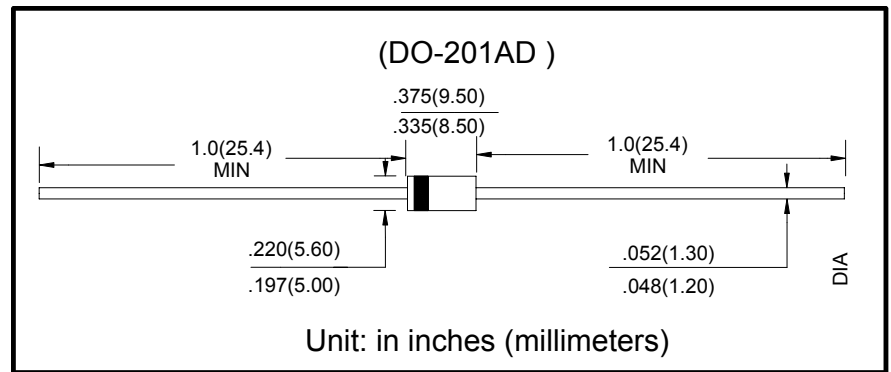
■特征 Features

- I_o 8.0A
- VRRM 20V-100V
- 耐正向浪涌电流能力高
- High surge current capability

■用途 Applications

- 整流用 Rectifier

■外形尺寸和印记 Outline Dimensions and Mark



■极限值（绝对最大额定值）

Limiting Values (Absolute Maximum Rating)

参数名称 Item	符号 Symbol	单位 Unit	条件 Conditions	SR8						
				20	30	40	50	60	80	100
反向重复峰值电压 Repetitive Peak Reverse Voltage	V _{RRM}	V		20	30	40	50	60	80	100
正向平均电流 Average Forward Current	I _{F(AV)}	A	正弦半波 60Hz,电阻负载, 60Hz Half-sine wave, Resistance load,	8.0						
正向（不重复）浪涌电流 Surge(Non-repetitive)Forward Current	I _{FSM}	A	正弦半波 60Hz, 一个周期, Ta=25℃ 60Hz Half-sine wave,1 cycle, Ta=25℃	150						
结温 Junction Temperature	T _J	℃		-55~+125			-55 ~ +150			
储存温度 Storage Temperature	T _{STG}	℃		-55 ~ +150						

■电特性（ $T_a=25^{\circ}C$ 除非另有规定）

Electrical Characteristics ($T_a=25^{\circ}C$ Unless otherwise specified)

参数名称 Item	符号 Symbol	单位 Unit	测试条件 Test Condition		SR8						
					20	30	40	50	60	80	100
正向峰值电压 Peak Forward Voltage	V _{FM}	V	I _{FM} =8.0A		0.55			0.7		0.85	
反向峰值电流 Peak Reverse Current	I _{RRM1}	mA	V _{RM} =V _{RRM}	T _a =25℃	0.1						
	T _a =125℃			10							
热阻(典型) Thermal Resistance(Typical)	R _{θJ-A}	℃/W	结和环境之间 Between junction and ambient		25						
	R _{θJ-L}		结和引线之间 Between junction and lead		8						

■特性曲线（典型） Characteristics(Typical)

图1: 正向电流降额曲线

FIG.1: FORWARD CURRENT DERATING CURVE

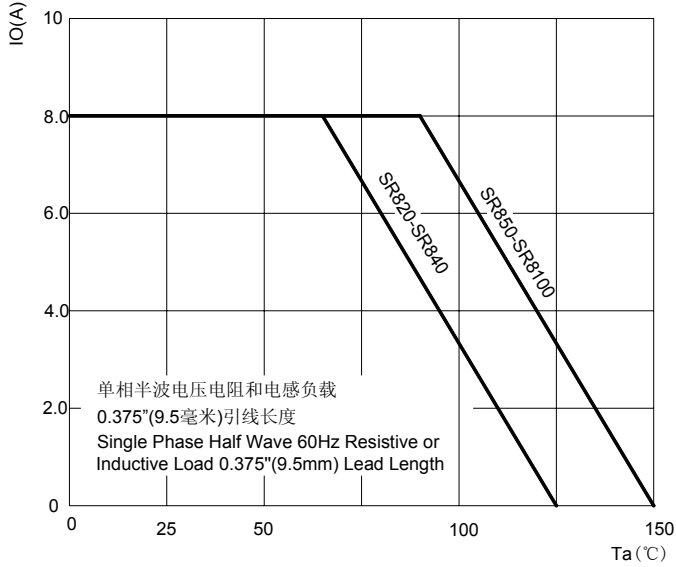


图2: 最大正向浪涌冲击耐受力

FIG.2: MAXIMUM NON-REPETITIVE FORWARD SURGE CURRENT

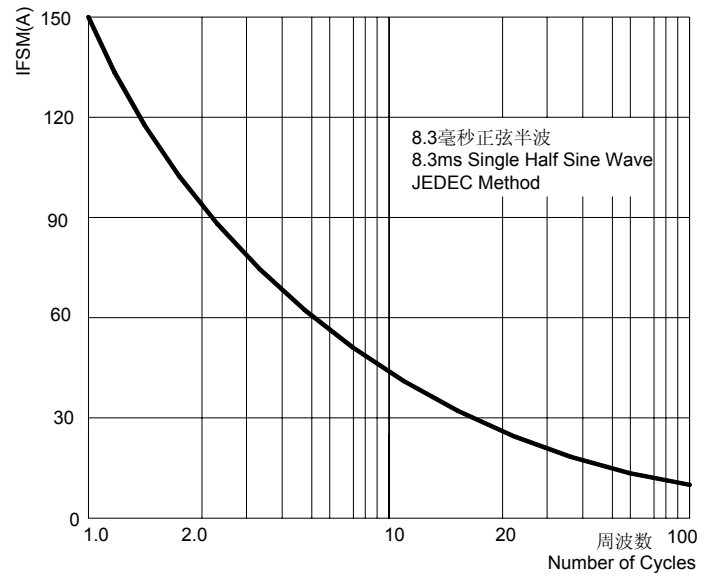


图3: 典型正向特性曲线

FIG.3: TYPICAL FORWARD CHARACTERISTICS

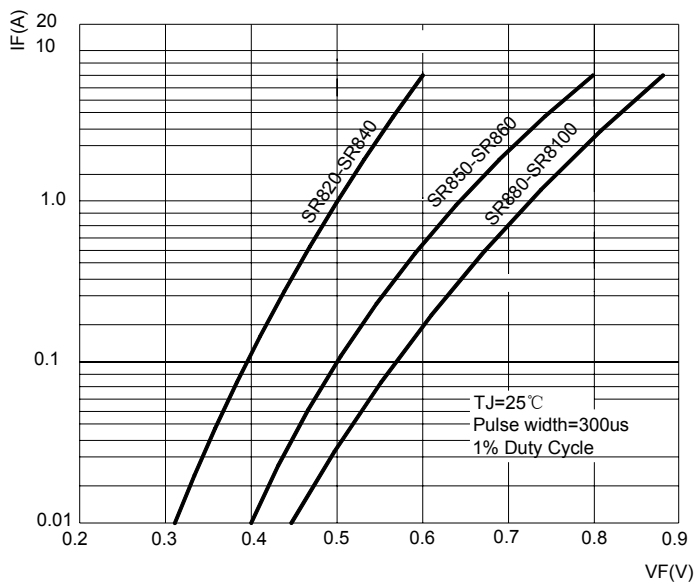


图4: 典型反向特性曲线

FIG.4: TYPICAL REVERSE CHARACTERISTICS

