



肖特基二极管 Schottky Rectifier

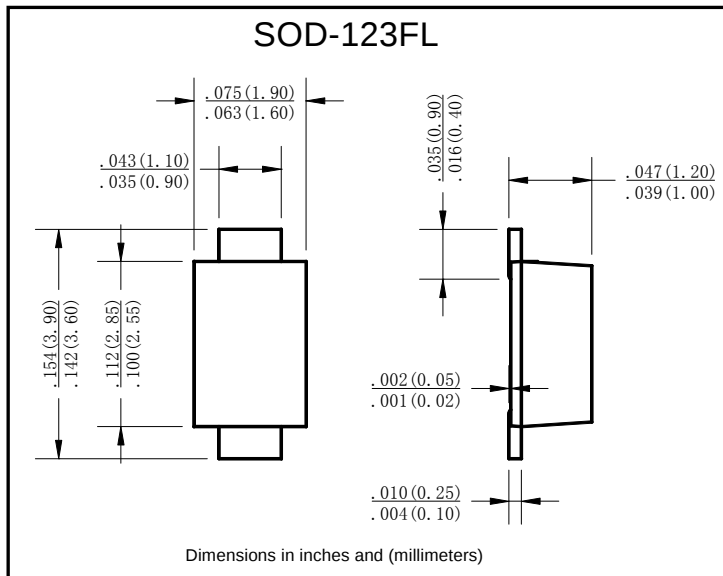
■特征 Features

- I_o 3.0A
- V_{RRM} 20V~200V
- 低正向电压, 低功耗
Low VF, Low power loss
- 耐正向浪涌电流能力高
High surge forward current capability

■用途 Applications

- 整流用
Rectifier

■外形尺寸 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	S3									
				2	3	4	5	6	8	10	15	20	
反向重复峰值电压 Repetitive Peak Reverse Voltage	V _{RRM}	V		20	30	40	50	60	80	100	150	200	
平均整流输出电流 Average Rectified Output Current	I _o	A	60Hz单向半波，电阻负载，Ta=75℃ 60Hz One-way half-wave, R-load,Ta=75℃	3.0									
正向（不重复）浪涌电流 Surge(Non-repetitive) Forward Current	I _{FSM}	A	60Hz正弦波，一个周期，Tj=25℃ 60Hz sine wave, 1 cycle, Tj=25℃	65									
存储温度 Storage Temperature	T _{stg}	℃		-55 ~+150									
结温 Junction Temperature	T _j	℃		-55 ~+125			-55 ~+150						

■电特性（ $T_a=25^{\circ}\text{C}$ 除非另有规定）Electrical Characteristics ($T_a=25^{\circ}\text{C}$ Unless otherwise specified)

参数名称 Item	符号 Symbol	单位 Unit	测试条件 Test Condition	S3								
				2	3	4	5	6	8	10	15	20
正向峰值电压 Peak Forward Voltage	V _{FM}	V	I _{FM} =3.0A	0.5			0.7		0.85		0.9	
反向峰值电流 Peak Reverse Current	I _{RRM}	mA	V _{RM} =V _{RRM} , Ta=25℃	0.5								
热阻 Thermal Resistance	R _{θ J-L}	℃/W	结和引线之间 Between junction and lead	20								

■特性曲线（典型） Characteristics(Typical)

图1: I_o - T_a 曲线
FIG1: I_o - T_a Curve

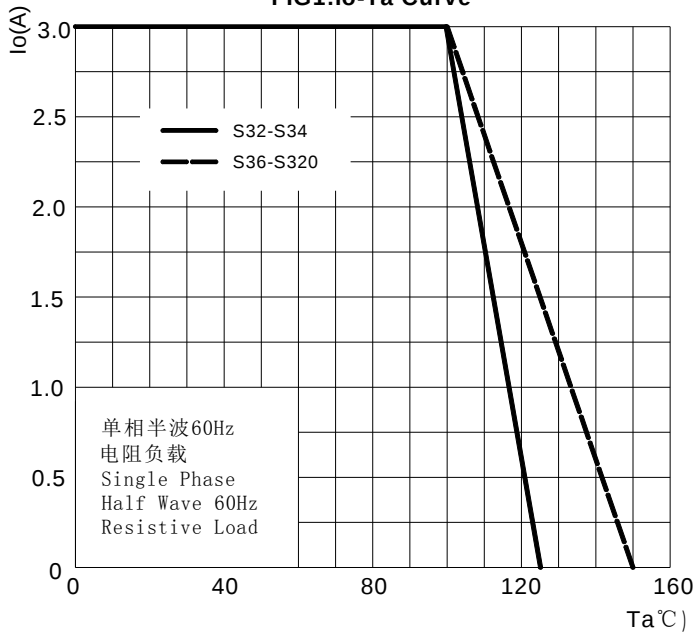


图2: 耐正向浪涌电流曲线
FIG2: Surge Forward Current Capability

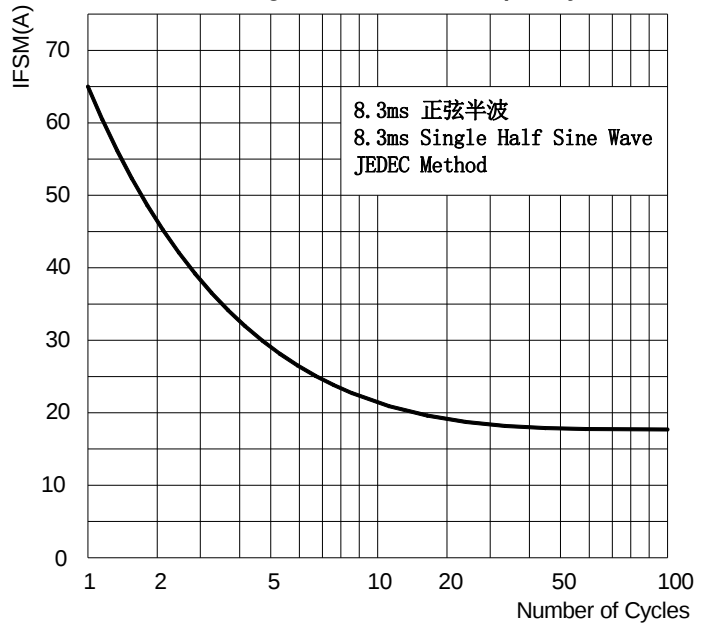


图3: 正向电压曲线
FIG3: Forward Voltage

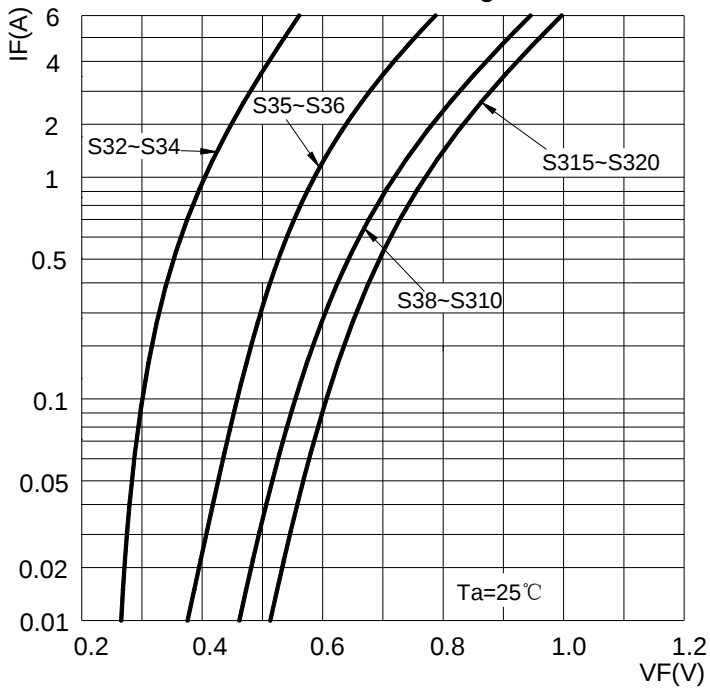


图4: 反向电流曲线
FIG4: Typical Reverse Characteristics

