

Schottky Rectifier

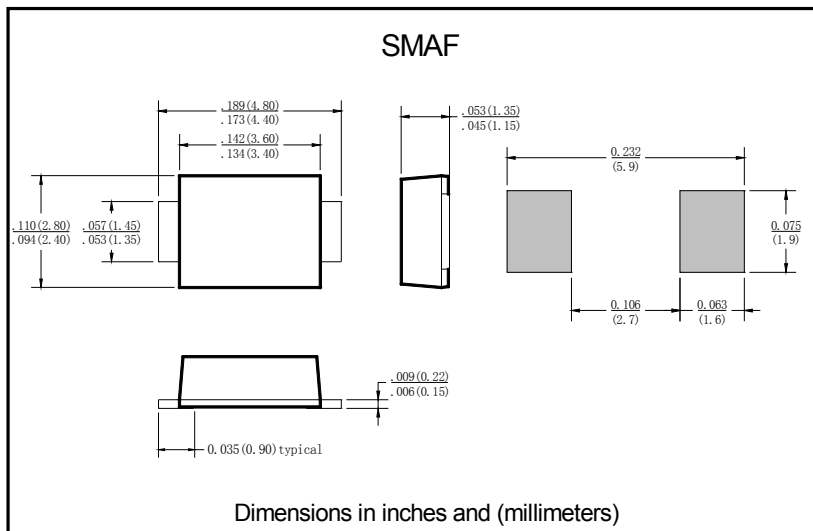
■特征 Features

- 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	SS3								
				2F	3F	4F	5F	6F	8F	10F	15F	20F
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, $T_a=75^{\circ}\text{C}$ 60Hz One-way half-wave, R-load, $T_a=75^{\circ}\text{C}$	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, $T_j=25^{\circ}\text{C}$ 60Hz sine wave, 1 cycle, $T_j=25^{\circ}\text{C}$	80								
存储温度 Storage Temperature	T_{stg}	$^{\circ}\text{C}$		-55 ~+150								
结温 Junction Temperature	T_j	$^{\circ}\text{C}$		-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	SS3								
				2F	3F	4F	5F	6F	8F	10F	15F	20F
正向峰值电压 Peak Forward Voltage	V _{FM}	V	I _{FM} =3.0A	FL0.38~0.50			0.70		0.85		0.90	
反向峰值电流 Peak Reverse Current	I _{RRM}	mA	V _{RM} =V _{RRM} , Ta=25℃	FL0.3 ~ 0.5								
热阻 Thermal Resistance	R _{θ J-L}	℃/W	结和引线之间 Between junction and lead	40								

■特性曲线（典型） Characteristics(Typical)

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

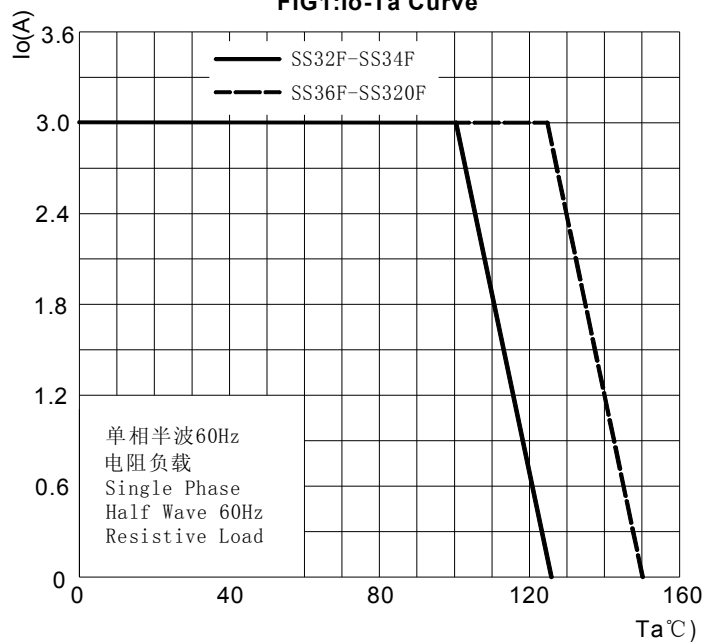


图2: 耐正向浪涌电流曲线
FIG2: Surge Forward Current Capability

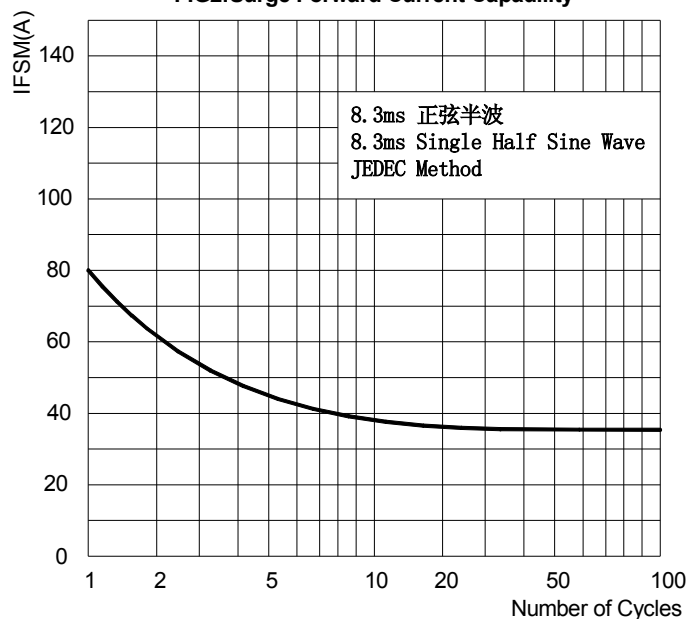


图3: 正向电压曲线
FIG3: Forward Voltage

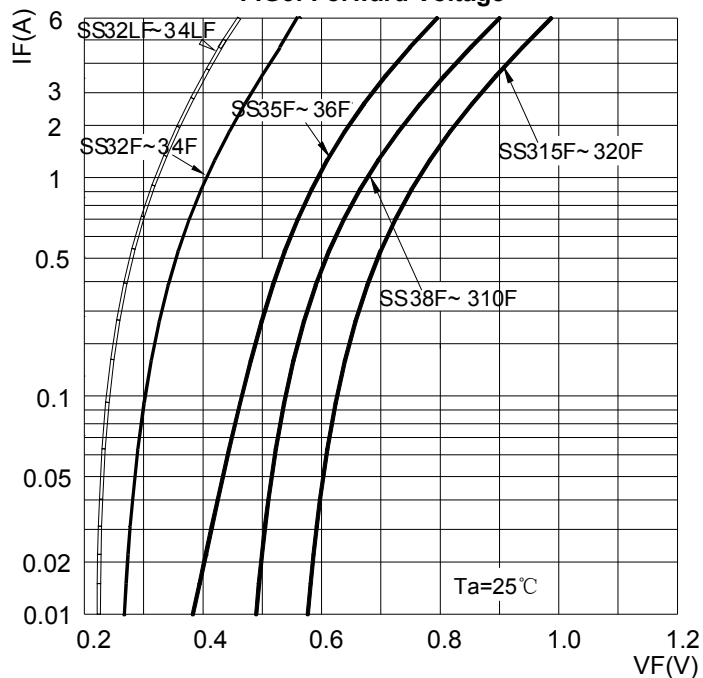


图4: 反向电流曲线
FIG4: Typical Reverse Characteristics

