

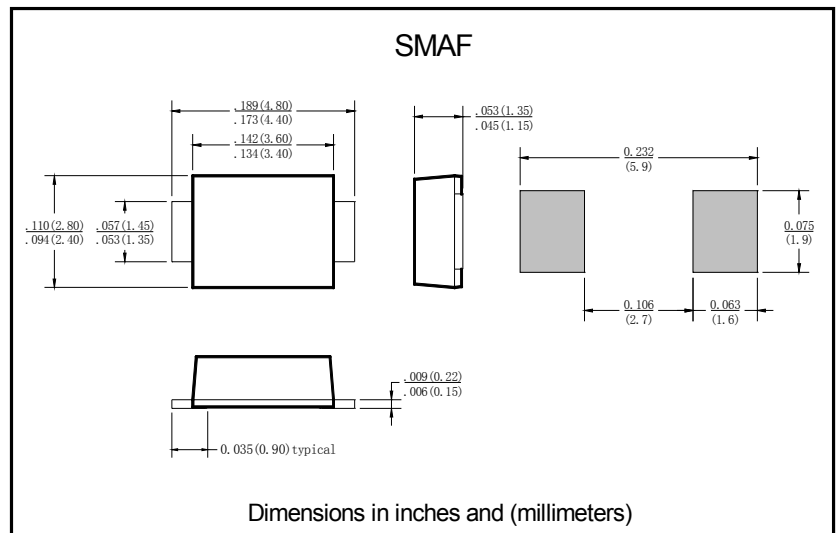
■特征 Features

- I_o 5.0A
- 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	SS5								
				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, $T_a=75^{\circ}\text{C}$	5.0								
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, $T_j=25^{\circ}\text{C}$	150								
存储温度 Storage Temperature	T_{stg}	$^{\circ}\text{C}$		-55 ~+150								
结温 Junction Temperature	T_j	$^{\circ}\text{C}$		-55 ~+125								

■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	SS5								
				2F	3F	4F	5F	6F	8F	10F	15F	20F
正向峰值电压 Peak Forward Voltage	V _{FM}	V	I _{FM} =2.0A	0.45-0.55			0.70		0.85			
反向峰值电流 Peak Reverse Current	I _{RRM}	mA	V _{RM} =V _{RRM} , Ta=25℃	1.0								
热阻 Thermal Resistance	R _{θ J-L}	℃/W	结和引线之间 Between junction and lead	55								

■特性曲线（典型） Characteristics(Typical)

Fig.1 Forward Current Derating Curve

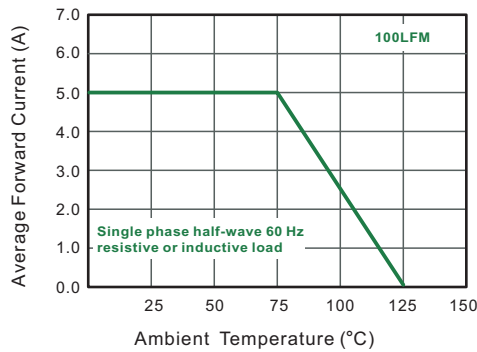


Fig.2 Typical Reverse Characteristics

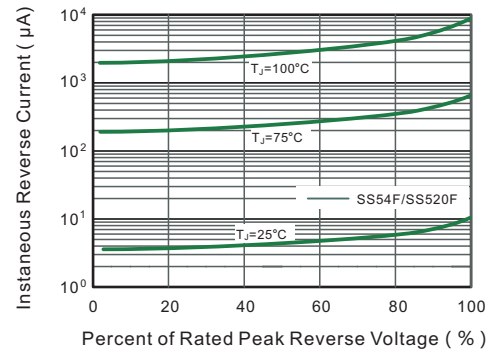


Fig.3 Typical Forward Characteristic

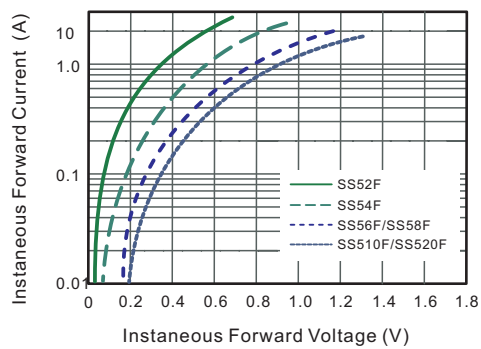


Fig.4 Typical Junction Capacitance

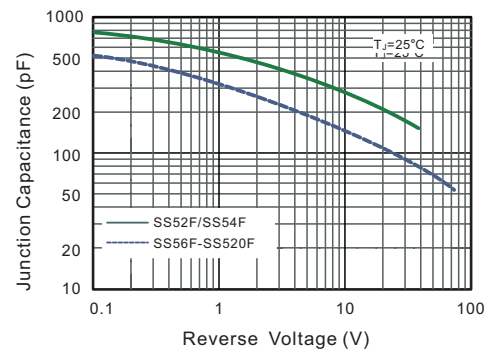


Fig.5 Maximum Non-Repetitive Peak Forward Surge Current

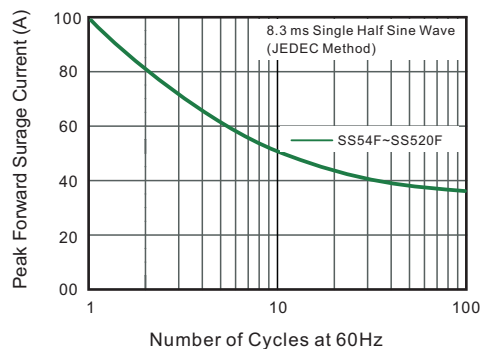


Fig.6- Typical Transient Thermal Impedance

