



# 安徽富信半导体科技有限公司

ANHUI FOSAN SEMICONDUCTOR TECHNOLOGY CO., LTD.

SS22F-SS210F

## SMAF Schottky Barrier Rectifier Diode 肖特基势垒整流二极管

### ■ Features 特点

Low forward voltage drop 低正向压降

High current capability 高电流能力

Surface mount device 表面贴装器件

Case 封装:SMAF



SMAF

### ■ Maximum Rating 最大额定值

( $T_A=25^{\circ}\text{C}$  unless otherwise noted 如无特殊说明, 温度为  $25^{\circ}\text{C}$ )

Characteristic 特性参数	Symbol 符号	SS22F	SS23F	SS24F	SS25F	SS26F	SS28F	SS29F	SS210F	Unit 单位
Peak Reverse Voltage 反向峰值电压	$V_{RRM}$	20	30	40	50	60	80	90	100	V
DC Reverse Voltage 直流反向电压	$V_R$	20	30	40	50	60	80	90	100	V
RMS Reverse Voltage 反向电压均方根值	$V_{R(RMS)}$	14	21	28	35	42	56	63	70	V
Forward Rectified Current 正向整流电流	$I_F$	2								A
Peak Surge Current 峰值浪涌电流	$I_{FSM}$	50								A
Thermal Resistance J-A 结到环境热阻	$R_{\theta JA}$	75								$^{\circ}\text{C}/\text{W}$
Junction Temperature 结温	$T_J$	150								$^{\circ}\text{C}$
Storage Temperature 储藏温度	$T_{stg}$	-65to+150 $^{\circ}\text{C}$								$^{\circ}\text{C}$

### ■ Electrical Characteristics 电特性

( $T_A=25^{\circ}\text{C}$  unless otherwise noted 如无特殊说明, 温度为  $25^{\circ}\text{C}$ )

Characteristic 特性参数	Symbol 符号	SS22F-SS24F	SS25F-SS26F	SS28F-SS210F	Unit 单位	Condition 条件
Forward Voltage 正向电压	$V_F$	0.55	0.70	0.85	V	$I_F=2\text{A}$
Reverse Current 反向电流	$I_R(25^{\circ}\text{C})$ $(100^{\circ}\text{C})$	0.1 5		0.02 2	mA	$V_R=V_{RRM}$
Diode Capacitance 二极管电容	$C_D$	170			pF	$V_R=4\text{V}, f=1\text{MHz}$

## ■ Typical Characteristic Curve 典型特性曲线

FIG.1-TYPICAL FORWARD CURRENT DERATING CURVE

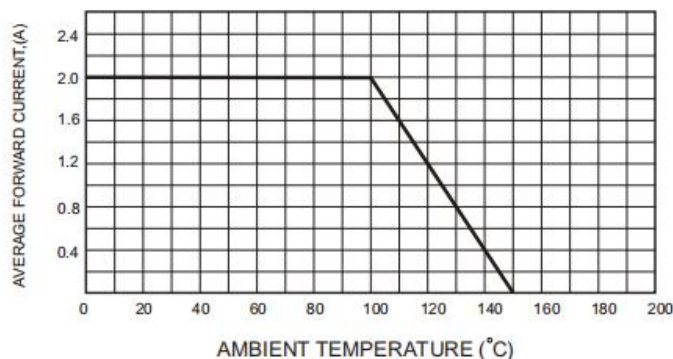


FIG.2-TYPICAL FORWARD CHARACTERISTICS

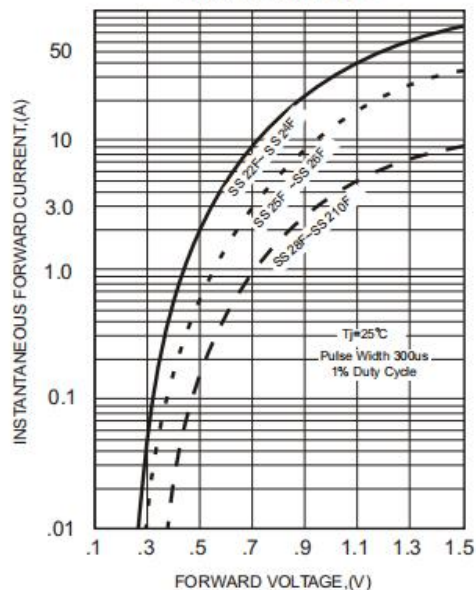


FIG.3-MAXIMUM NON-REPETITIVE FORWARD SURGE CURRENT

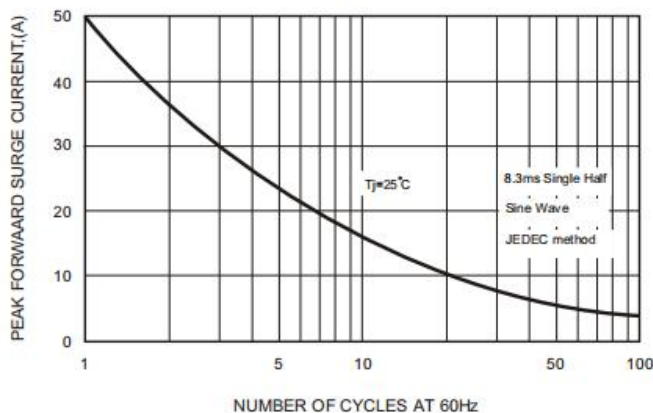


FIG.4-TYPICAL JUNCTION CAPACITANCE

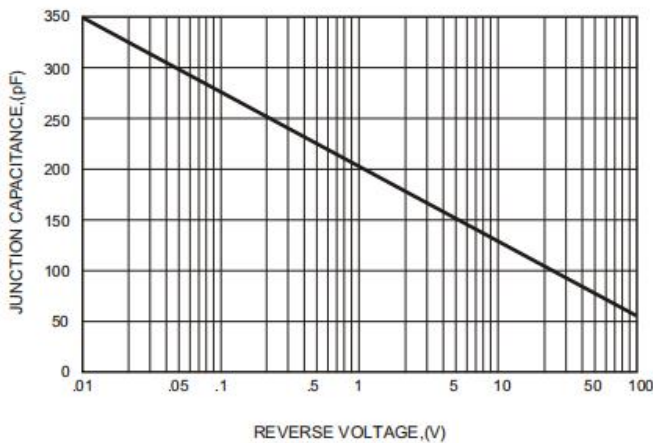
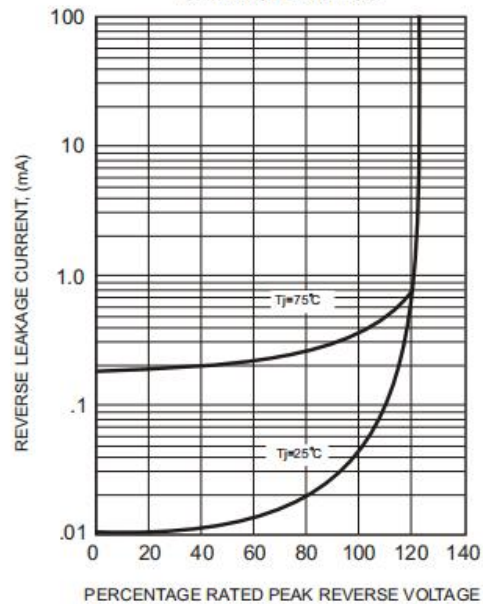
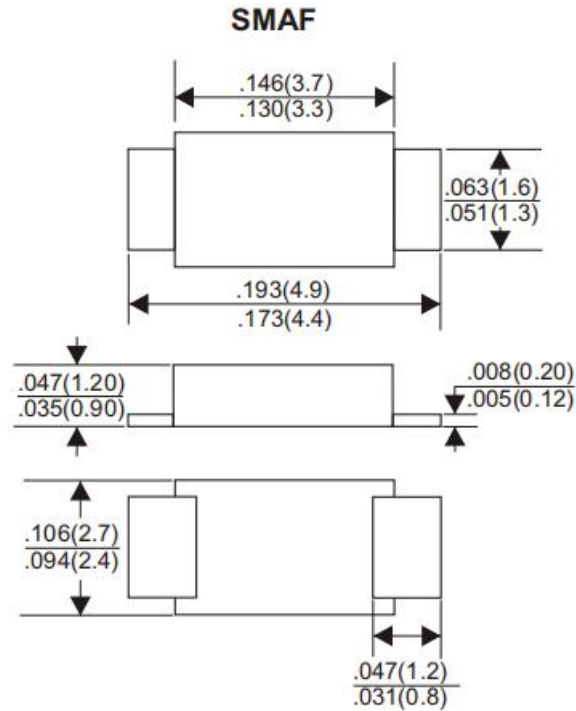


FIG.5 - TYPICAL REVERSE CHARACTERISTICS



## ■Dimension 外形封装尺寸



Dimensions in inches and (millimeters)

## X-ON Electronics

Largest Supplier of Electrical and Electronic Components

*Click to view similar products for [Schottky Diodes & Rectifiers](#) category:*

*Click to view products by [FOSAN](#) manufacturer:*

Other Similar products are found below :

[MA4E2039](#) [MA4E2508M-1112](#) [MBR1545CT](#) [MMBD301M3T5G](#) [RB160M-50TR](#) [D83C](#) [BAS16E6433HTMA1](#) [BAT 54-02LRH E6327](#)  
[NRVBAF360T3G](#) [NSR05F40QNXT5G](#) [NTE555](#) [JANS1N6640](#) [SK310-T](#) [SK34B-TP](#) [SS3003CH-TL-E](#) [GA01SHT18](#)  
[CRS10I30A\(TE85L,QM](#) [MA4E2501L-1290](#) [MBRA140TRPBF](#) [MBRB30H30CT-1G](#) [BAT 15-04R E6152](#) [JANTX1N5712-1](#) [DMJ3940-000](#)  
[SB007-03C-TB-E](#) [SK33B-TP](#) [NRVBB20100CTT4G](#) [NRVBM120LT1G](#) [NTSB30U100CT-1G](#) [VS-6CWQ10FNHM3](#) [CRG04\(T5L,TEMQ\)](#)  
[ACDBA1100LR-HF](#) [ACDBA1200-HF](#) [ACDBA240-HF](#) [ACDBA3100-HF](#) [CDBQC0530L-HF](#) [CDBQC0240LR-HF](#) [ACDBA260LR-HF](#)  
[ACDBA1100-HF](#) [MA4E2502L-1246](#) [10BQ015-M3/5BT](#) [NRVBM120ET1G](#) [CRS08TE85LQM](#) [PMAD1108-LF](#) [B120Q-13-F](#) [1N5819T-G](#)  
[B0530WSQ-7-F](#) [PDS1040Q-13](#) [B160BQ-13-F](#) [SDM05U20CSP-7](#) [B140S1F-7](#)