

SS12 THRU SS16

肖特基二极管 Schottky Rectifier

■特征 Features

- I_O 1.0A ●VRRM 20V-60V
- 耐正向浪涌电流能力高
- High surge current capability

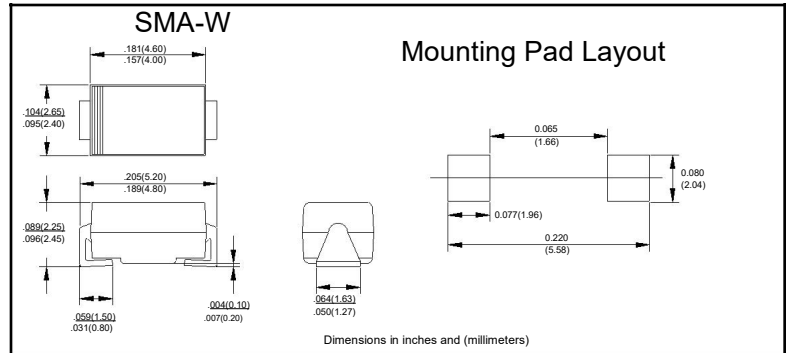
■用途 Applications

- 整流用 Rectifier

■极限值（绝对至大额定值）

Limiting Values (Absolute Maximum Rating)

■外形尺寸和印记 Outline Dimensions and Mark



参数名称 Item	符号 Symbol	单位 Unit	条件 Conditions	SS				
				12	13	14	15	16
反向重复峰值电压 Repetitive Peak Reverse Voltage	VRRM	V		20	30	40	50	60
正向平均电流 Average Forward Current	IF(AV)	A	正弦半波60Hz,电阻负载,Ta=50℃ 60Hz Half-sine wave, Resistance load, Ta=50℃	1.0				
正向（不重复）浪涌电流 Surge(Non-repetitive)Forward Current	IFSM	A	正弦半波60Hz, 一个周期, Ta=25℃ 60Hz Half-sine wave, 1 cycle, Ta=25℃	30				
结温 Junction Temperature	TJ	℃		-55~+125				
储存温度 Storage Temperature	TSTG	℃		-55 ~ +150				

■电特性（Ta=25℃ 除非另有规定）

Electrical Characteristics (Ta=25℃ Unless otherwise specified)

参数名称 Item	符号 Symbol	单位 Unit	测试条件 Test Condition		SS				
					12	13	14	15	16
正向峰值电压 Peak Forward Voltage	V _{FM}	V	I _{FM} =1.0A		0.5			0.75	
反向峰值电流 Peak Reverse Current	IRRM1	mA	V _{RM} =V _{RRM}	Ta=25℃	0.1				
	IRRM2			Ta=125℃	10				
热阻(典型) Thermal	R _{θJ-A}	℃/W	结和环境之间 Between junction and ambient		88				
Resistance(Typical)	R _{θJ-L}		结和引线之间 Between junction and lead		28				

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■特性曲线（典型） Characteristics(Typical)

图 1: 正向电流降额曲线

FIG.1: FORWARD CURRENT DERATING CURVE

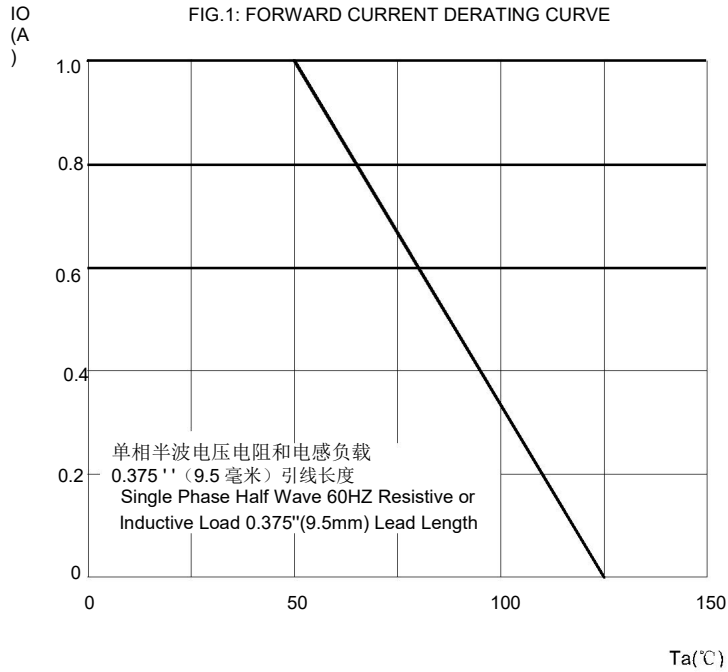


图 2: 至大正向浪涌冲击耐受力

FIG.2: MAXIMUM NON-REPETITIVE FORWARD SURGE CURRENT

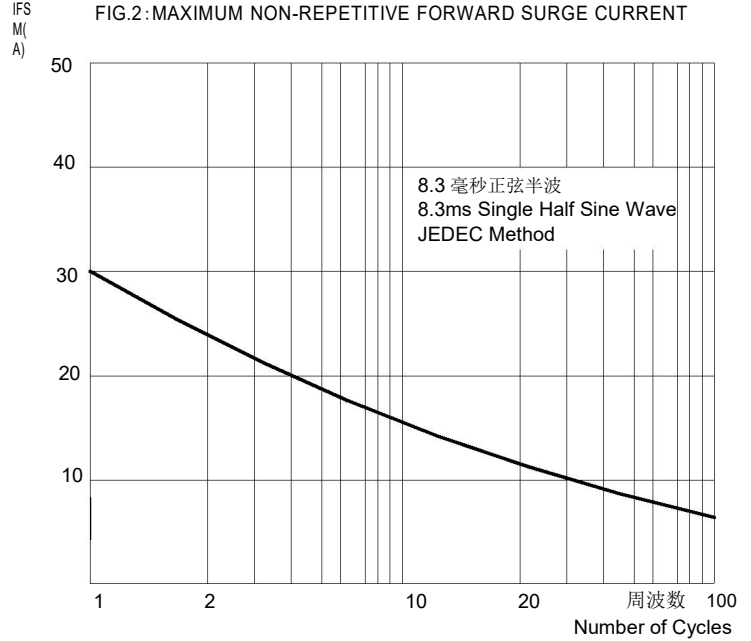


图 3: 典型正向特性曲线

FIG.3: TYPICAL FORWARD CHARACTERISTICS

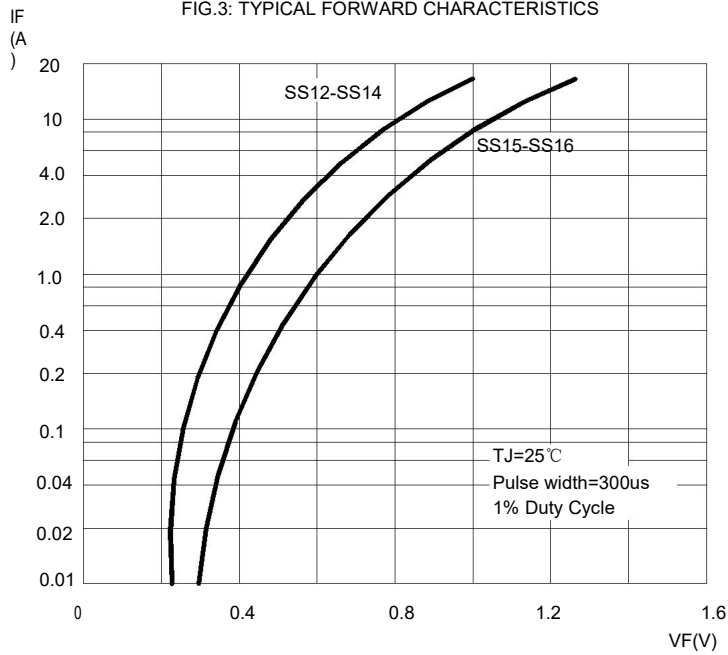


图 4: 典型反向特性曲线

FIG.4: TYPICAL REVERSE CHARACTERISTICS

