



SS22F-SS220F Schottky Rectifier

Feature

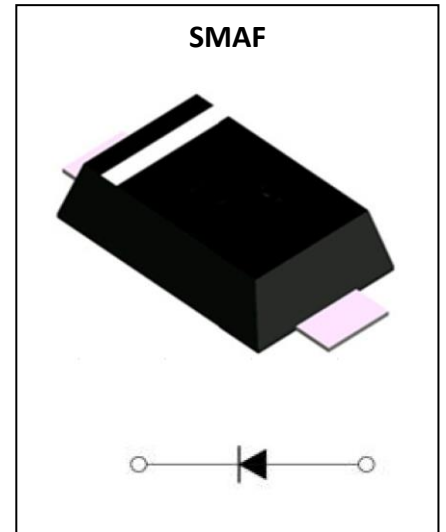
- High current capability
- Low VF
- High surge current capability

Application

- Rectifier

Marking

- SS2X
X: From 2 To 20



ABSOLUTE MAXIMUM RATINGS (T_a=25°C unless otherwise noted)

Parameter	Symbol	SS2										Unit
		2F	3F	4F	5F	6F	8F	10F	15F	20F		
Repetitive Peak Reverse Voltage	V _{RRM}	20	30	40	50	60	80	100	150	200	V	
Maximum RMS Voltage	V _{RMS}	14	21	28	35	42	56	70	105	140	V	
Average Forward Current (60HZ Half-sine wave, Resistance load, TL(Fig.1))	I _{F(AV)}	2.0										A
Non-repetitive Peak Forward Surge Current (60Hz Half-sine wave ,1 cycle ,T _a =25°C)	I _{FSM}	50										A
Junction Temperature	T _J	-55 ~ +125					-55 ~ +150					°C
Storage Temperature	T _{STG}	-55 ~ +150										°C

ELECTRICAL CHARACTERISTICS (T_a=25°C unless otherwise noted)

Parameter	Symbol	Test Condition	SS2								Unit
			2F	3F	4F	5F	6F	8F	10F	15F	
Peak Forward Voltage	V _F	I _F =1A	0.55		0.70		0.85		0.95		V
Peak Reverse Current	I _{RRM1}	V _{RM} = T _a =25°C	0.5				0.1				mA
	I _{RRM2}	V _{RRM} T _a =100°C	10			5.0					mA
Thermal Resistance(Typical)	R _{θJ-A}	Between junction and ambient	75								°C/W
	R _{θJ-L}	Between junction and terminal	17								°C/W

Notes:

Thermal resistance from junction to ambient and from junction to lead mounted on P.C.B. with 0.2" x 0.2" (5.0 mm x 5.0 mm) copper pad areas
<http://www.sh-greenpower.com> Shanghai GreenPower Electronic Co.Ltd.

Typical Characteristics

FIG.1: FORWARD CURRENT DERATING CURVE

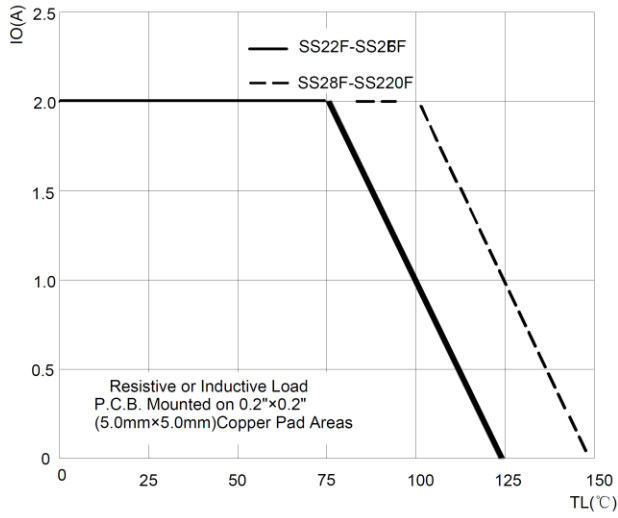


FIG.2: MAXIMUM NON-REPETITIVE FORWARD URGE CURRENT

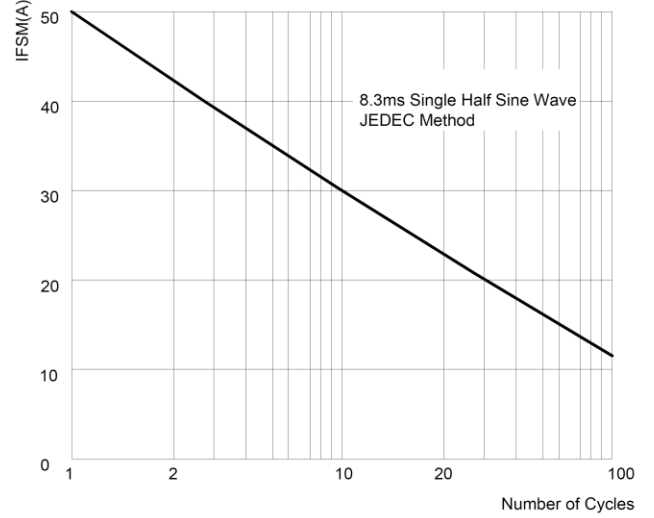


FIG.3: TYPICAL FORWARD CHARACTERISTICS

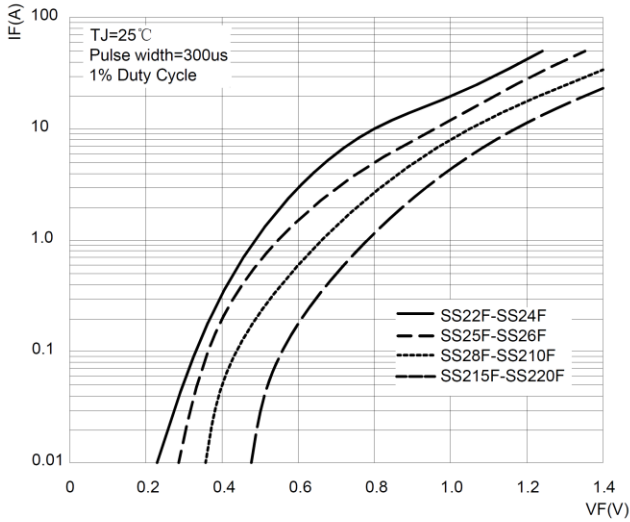
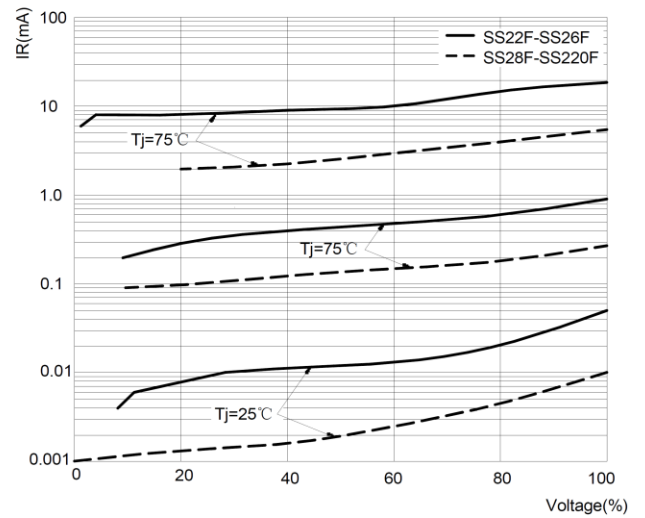
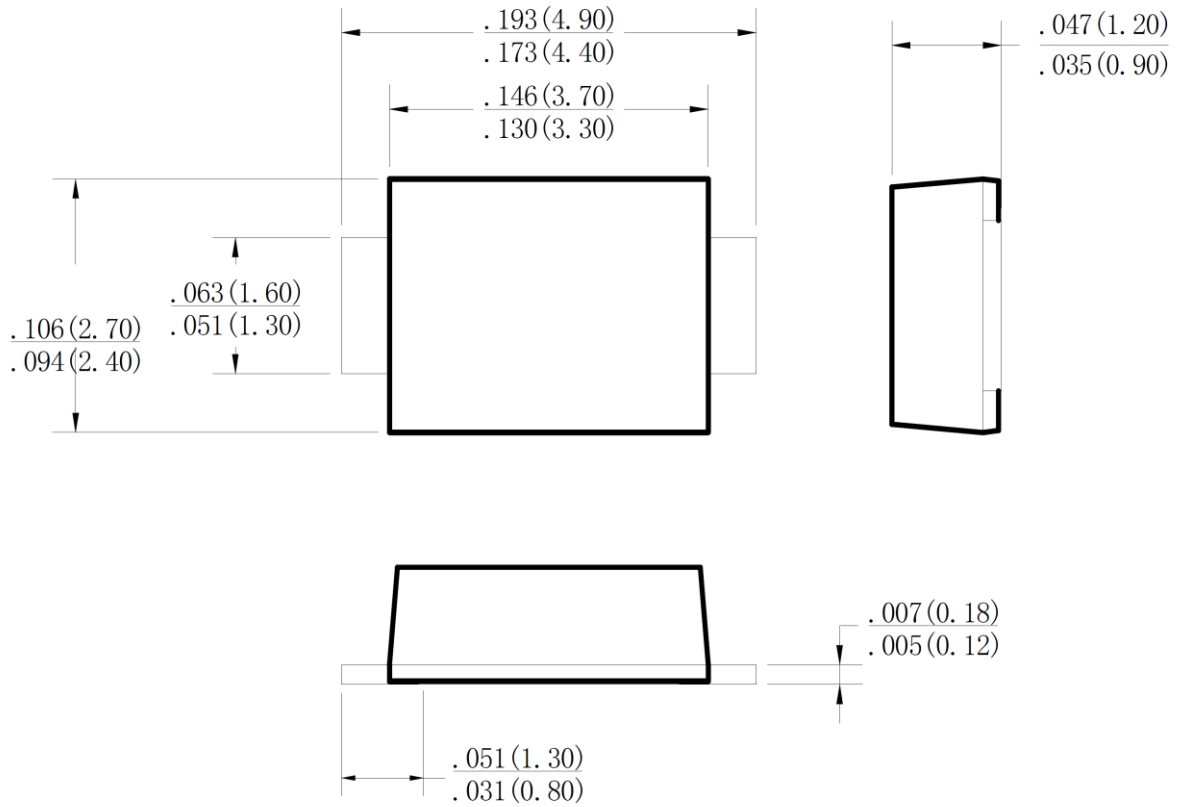


FIG.4: TYPICAL REVERSE CHARACTERISTICS



SMAF Package Outline Dimensions



Dimensions in inches and (millimeters)