



SS32F-SS320F Schottky Rectifier

Feature

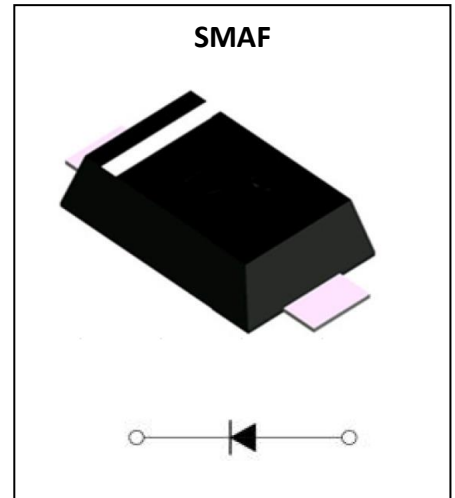
- High current capability
- Low VF
- High surge current capability

Application

- Rectifier

Marking

- **SS3X**
X: From 2 To 20



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

Parameter	Symbol	SS3									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)	I _{F(AV)}	3.0									A
Non-repetitive Peak Forward Surge Current (60Hz Half-sine wave ,1 cycle ,T _a =25°C)	I _{FSM}	70									A
Junction Temperature	T _J	-55 ~ +125			-55 ~ +150						°C
Storage Temperature	T _{STG}	-55 ~ +150									°C
Air Model	V _{ESD}	±15									KV
Contact Model		±8									KV

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

Parameter	Symbol	Test Condition	SS3								Unit
			2F	3F	4F	5F	6F	8F	10F	15F	
Peak Forward Voltage	V _F	I _F =3A	0.55		0.70		0.85		0.95		V
Peak Reverse Current	I _{RRM1}	V _{RM} =V _{RRM}	T _a =25°C		0.5		0.1				mA
	I _{RRM2}		T _a =100°C		10		5				mA
Thermal Resistance(Typical)	R _{θJ-A}	Between junction and ambient	55								°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

Typical Characteristics

FIG.1: FORWARD CURRENT DERATING CURVE

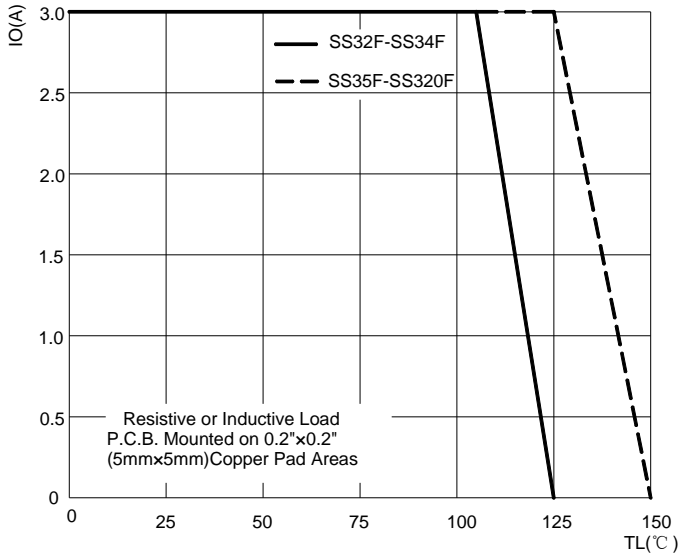


FIG.2: MAXIMUM NON-REPETITIVE FORWARD URGE CURRENT

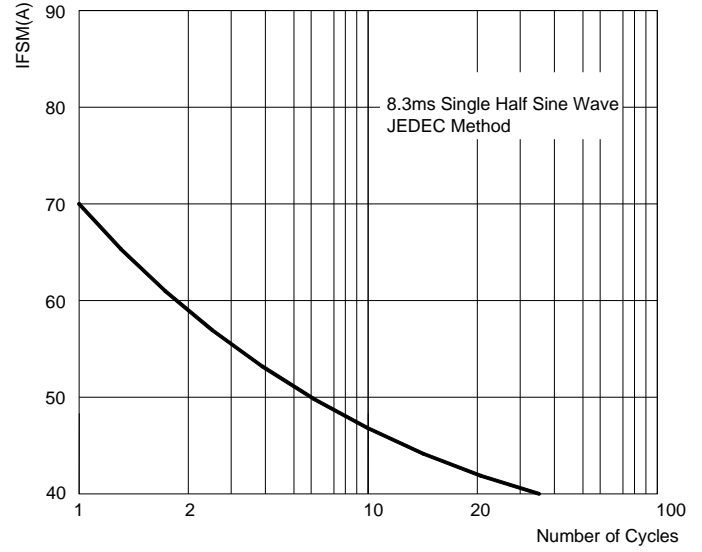


FIG.3: TYPICAL FORWARD CHARACTERISTICS

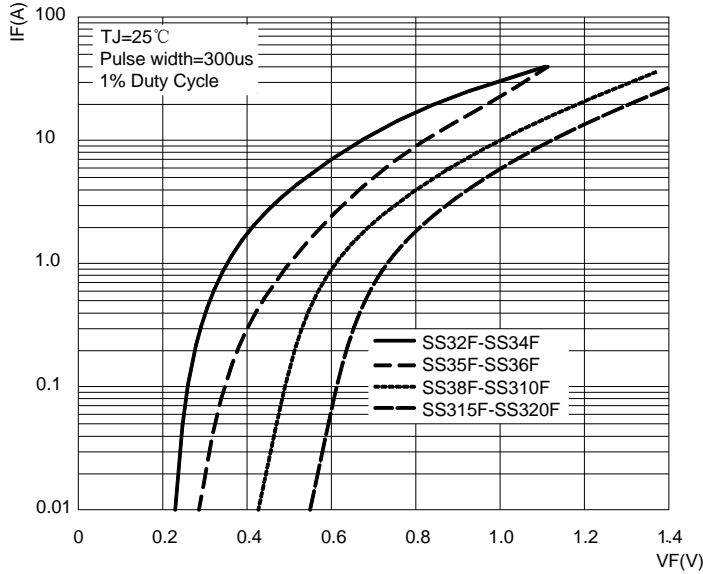
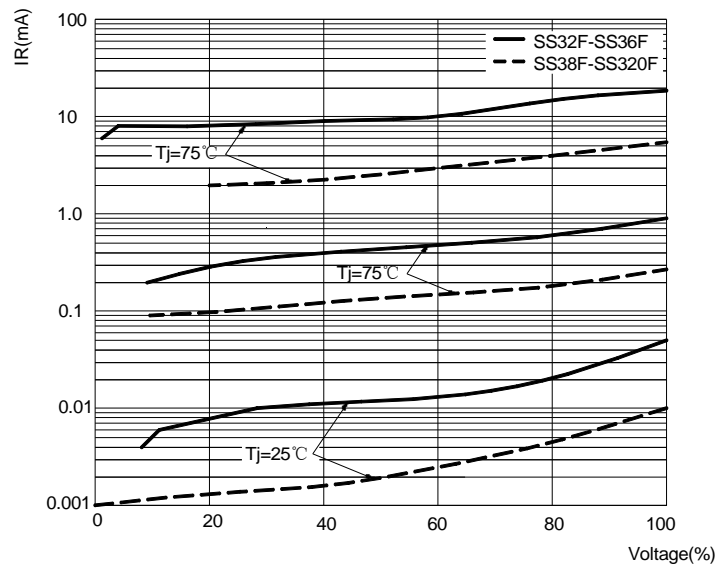
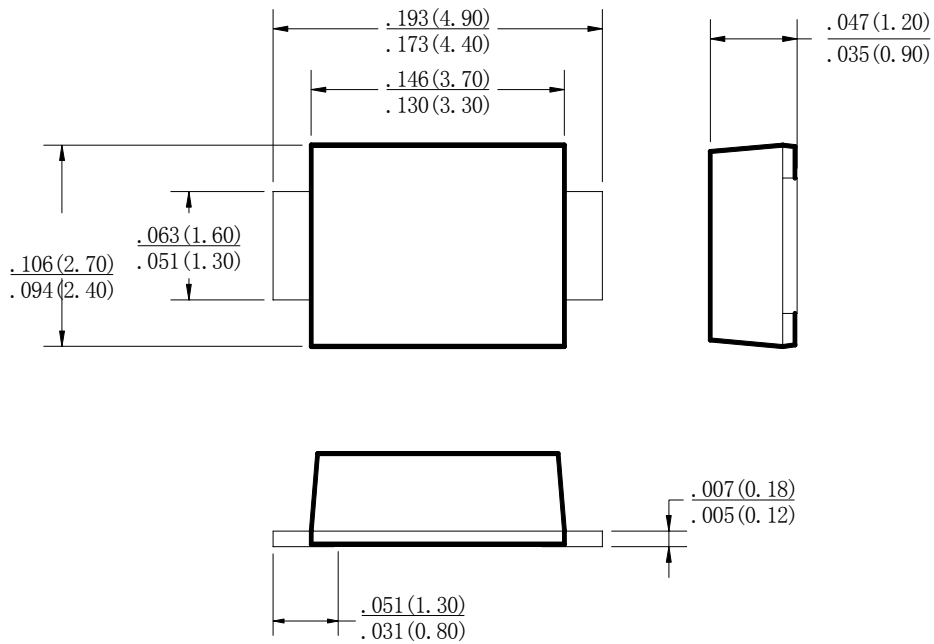


FIG.4: TYPICAL REVERSE CHARACTERISTICS

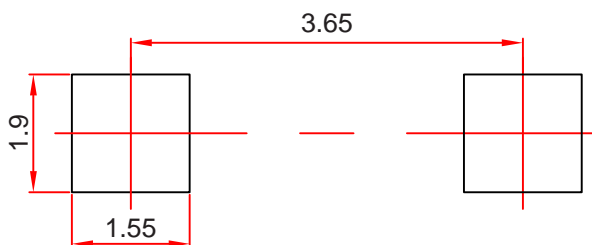


Package Outline Dimensions



Dimensions in inches and (millimeters)

Package Outline Dimensions



Note:

1. Controlling dimension: in millimeters.
2. General tolerance: $\pm 0.05\text{mm}$.
3. The pad layout is for reference purposes only.

单击下面可查看定价，库存，交付和生命周期等信息

[>>GP\(格瑞宝\)](#)