# SS32GF~SS320GF

ROHS

### **Surface Mount Schottky Barrier Rectifier**

#### **Features**

- ◆ Metal silicon junction, majority carrier conduction
- ◆ For surface mounted applications
- ◆ Low power loss, high efficiency
- High forward surge current capability
- ◆ For use in low voltage, high frequency inverters, free wheeling, and polarity protection applications

### **Mechanical Data**

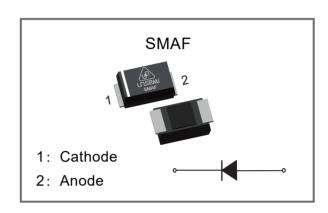
◆ Case: SMAF

◆ Quantity Per Reel : 3,000pcs◆ Approx. Weight : 27mg/0.00095oz

◆ Terminals: Solderable per MIL-STD-750, Method 2026



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### **Maximum Ratings and Electrical Characteristics**

Ratings at 25°C ambient temperature unless otherwise specified.

Single phase half-wave 60Hz, resistive or inductive load, for capacitive load current derate by 20%.

Parameter	Symbol	SS 32GF	SS 34GF	SS 36GF	SS 38GF	SS 310GF	SS 312GF	SS 315GF	SS 320GF	Units	
Maximum Repetitive Peak Reve	VRRM	20	40	60	80	100	120	150	200	V	
Maximum RMS Voltage	VRMS	14	28	42	56	70	84	105	140	V	
Maximum DC Blocking Voltage	VDC 20 40 60 80 100 120 150				200	٧					
Maximum Average Forward Rec	tified Current	IF(AV)					3.0				А
Peak Forward Surge Current,8.3 Half Sine-wave Superimposed ( Load (JEDEC method)	IFSM	80							А		
Max Instantaneous Forward Vol	ous Forward Voltage at 3A VF 0.55 0.70 0.85 0.95				95	\					
Maximum DC Reverse Current	Ta=25℃	lR		0.5				0.3	0 150 200	mA	
at Rated DC Reverse Voltage	Ta=100℃	lR		5.0				3.0			
Typical Junction Capacitance (1	)	Cj		250				180	80		
Typical Thermal Resistance (2)		R <sub>eJA</sub> 70					%\W				
Operating Junction Temperature	Range	TJ				-55 ~	+150				°C
Storage Temperature Range		Tstg				-55 ~ +150				°C	

Note:(1) Measured at 1 MHz and applied reverse voltage of 4VDC.

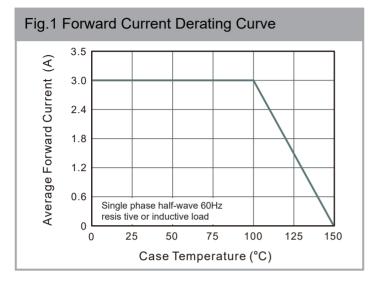
(2) P.C.B. mounted with 2.0" X 2.0" (5 X 5cm) copper pad areas.

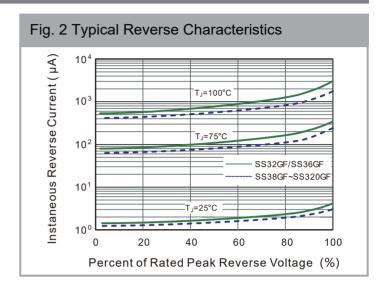


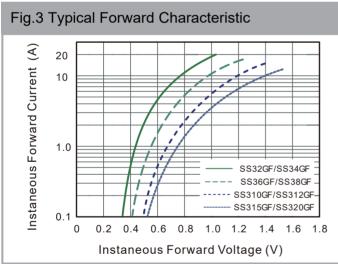
## **Surface Mount Schottky Barrier Rectifier**

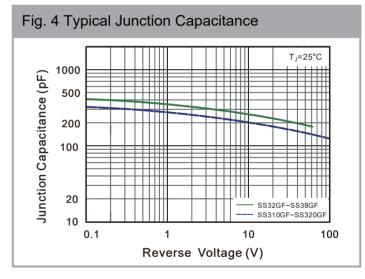
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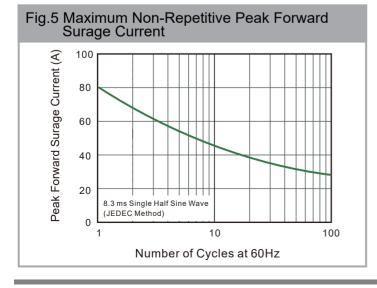
#### **Electrical Characteristics Curves**

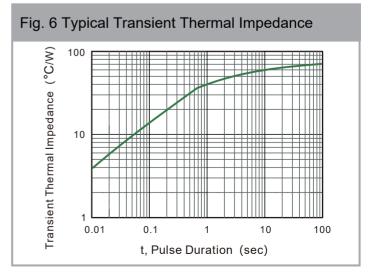










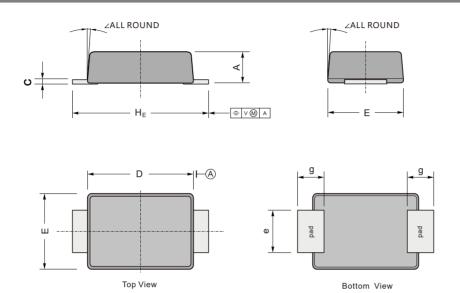




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# Package Outline & Dimensions



UNIT		А	С	D	Е	е	g	HE		
mm	max	1.2	0.20	3.7	2.7	1.6	1.2	4.9		
'''''	min	0.9	0.12	3.3	2.4	1.3	0.8	4.4	<b>7</b> °	
mil	max	47	7.9	146	106	63	47	193	/	
11111	min	35	4.7	130	94	51	31	173		

## Marking

Type Number	SS32GF	SS34GF	SS36GF	SS38GF	SS310GF	SS312GF	SS315GF	SS320GF	
Making	SS32	SS34	SS36	SS38	SS310	SS312	SS315	SS320	



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