# SS22BGF~SS220BGF

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**

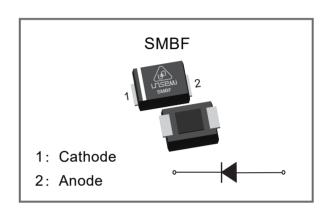
◆ Case: SMBF

◆ Quantity Per Reel : 3,000pcs◆ Approx. Weight : 57mg/0.002oz

◆ 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	SS22 BGF	SS24 BGF	SS26 BGF	SS28 BGF	SS210 BGF	SS212 BGF	SS215 BGF	SS220 BGF	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	V	
Maximum Average Forward Rec	IF(AV)	2.0							А		
Peak Forward Surge Current,8.3 Half Sine-wave Superimposed ( Load (JEDEC method)	IFSM	50							А		
Max Instantaneous Forward Vol	VF	0.8	55	0.	0.70 0.85 0.95		95	V			
Maximum DC Reverse Current	Ta=25℃	lR	0.5 0.3					mA			
at Rated DC Reverse Voltage	Ta=100℃	lR		5.0				3.0			
Typical Junction Capacitance (1	Cj	220 110					pF				
Typical Thermal Resistance (2)	$R_{\theta JA}$	75								%\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.

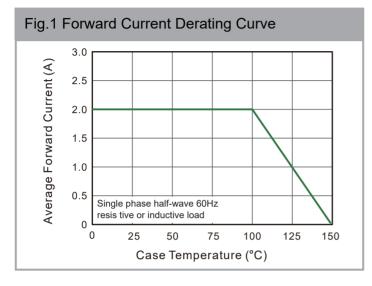


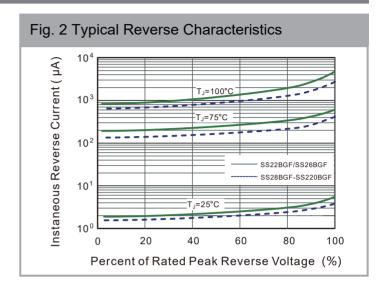


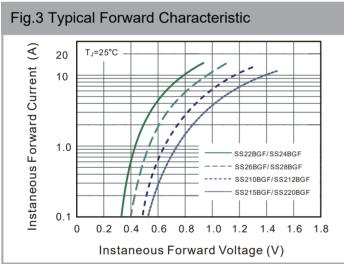
### **Surface Mount Schottky Barrier Rectifier**

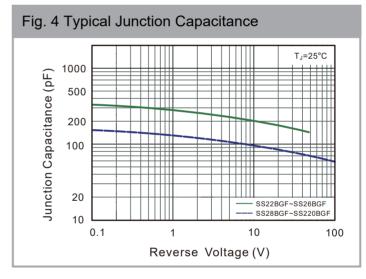
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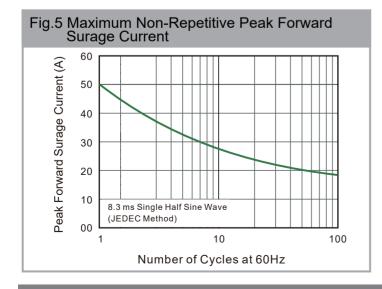
#### **Electrical Characteristics Curves**

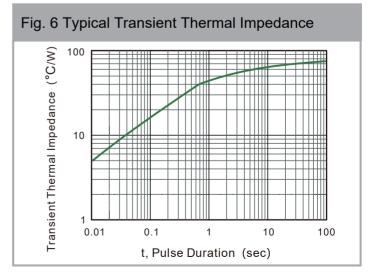












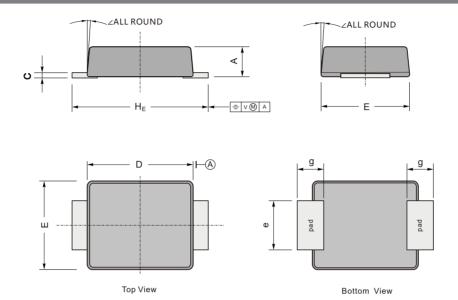




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# Package Outline & Dimensions



UNIT		А	С	D	Е	H <sub>∈</sub>	е	g	۷
mm	max	1.3	0.26	4.4	3.7	5.5	2.2	1.0	- 9°
'''''	min	1.1	0.18	4.2	3.5	5.1	1.9	1.0	
mil	max	51	10	173	146	216	86	40	
"""	min	43	7	165	138	200	75		

## Marking

Type Number	SS22BGF	SS24BGF	SS26BGF	SS28BGF	SS210BGF	SS212BGF	SS215BGF	SS220BGF
Making	S22B	S24B	S26B	S28B	S210B	S212B	S215B	S220B



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