SS22BG~SS220BG

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

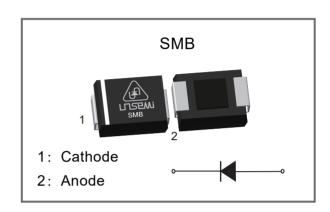
◆ Case: SMB

◆ Quantity Per Reel : 3,000pcs◆ Approx. Weight : 0.095g / 0.003oz

◆ 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	SS20 BG	SS24 BG	SS26 BG	SS28 BG	SS210 BG	SS212 BG	SS215 BG	SS220 BG	Units
Maximum Repetitive Peak Reverse Voltage		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 Rectified Current		IF(AV)	2.0								Α
Peak Forward Surge Current,8.3ms Single Half Sine-wave Superimposed on Rated Load (JEDEC method)		IFSM	55				4	45			
Max Instantaneous Forward Voltage at 2A		VF	0.5	5	0.7	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					рF			
Typical Thermal Resistance (2)	$R_{_{\theta JA}}$	60								%\M	
Operating Junction Temperature Range		TJ	-55 ~ +125							°C	
Storage Temperature Range	Tstg	-55 ~ +150								$^{\circ}$	

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

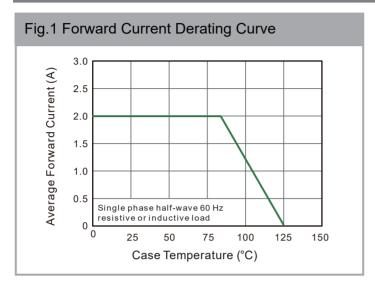
(2) P.C.B. mounted with 2.0" X 2.0" (5 X 5cm) copper pad areas.

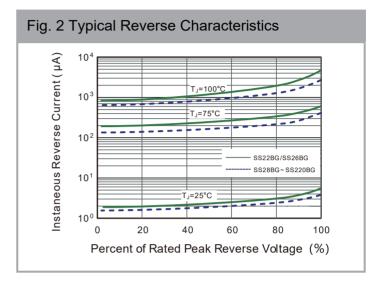


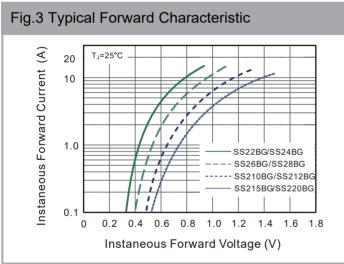
Surface Mount Schottky Barrier Rectifier

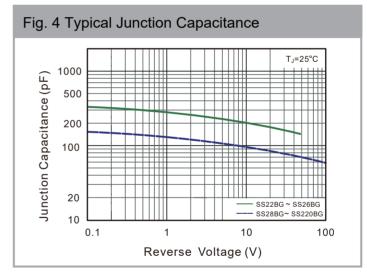
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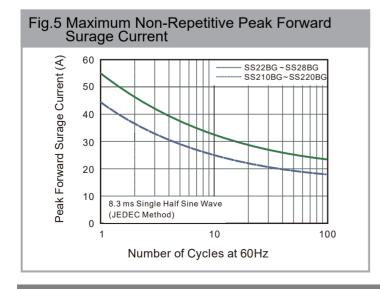
Electrical Characteristics Curves

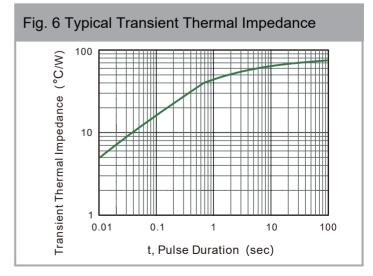










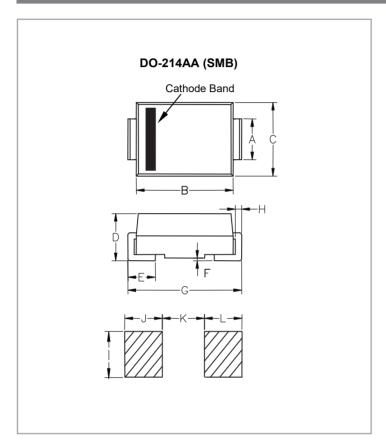




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Package Outline & Dimensions



Dimonoiono	Incl	nes	Millimeters			
Dimensions	Min	Max	Min	Max		
А	0.077	0.087	1.960	2.200		
В	0.171	0.191	4.350	4.850		
С	0.130	0.155	3.300	3.940		
D	0.084	0.096	2.130	2.440		
E	0.030	0.060	0.750	1.520		
F	-	0.008	-	0.203		
G	0.201	0.216	5.100	5.500 0.305 -		
Н	0.006	0.012	0.152			
I	0.089	1	2.260			
J	J 0.085 K - L 0.085		2.160	-		
K			-	2.740		
L			2.160	-		

Marking

Type Number	SS22BG	SS24BG	SS26BG	SS28BG	SS210BG	SS212BG	SS215BG	SS220BG
Making	SS22	SS24	SS26	SS28	SS210	SS212	SS215	SS220



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