SS22G~SS220G

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: SMA
- ♦ Quantity Per Reel : 2,000pcs
- ◆ Approx. Weight : 60mg / 0.0021oz
- ◆ Terminals: Solderable per MIL-STD-750, Method 2026

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	SS22G	SS24G	SS26G	SS28G	SS210G	SS212G	SS215G	SS220G	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	V
Maximum Average Forward Rec	IF(AV)	2.0								А	
Peak Forward Surge Current,8.3ms Single Half Sine-wave Superimposed on Rated Load (JEDEC method)		IFSM	50							А	
Max Instantaneous Forward Vol	Vf	0.	0.55 0.70 0.85		0.95		V				
Maximum DC Reverse Current at Rated DC Reverse Voltage	Ta=25℃	lr		0.5 0.3					mA		
	Ta=100°C	lr		5.0 3.0							
Typical Junction Capacitance (1)		Cj	220 80							pF	
Typical Thermal Resistance ⁽²⁾		R _{eja}	80								°C/W
Operating Junction Temperature Range		TJ	-55 ~ +150							°C	
Storage Temperature Range		Tstg	-55 ~ +150								°C

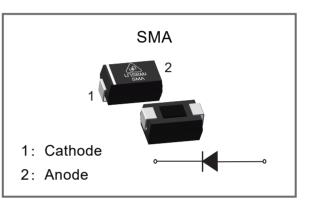
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Note:(1) Measured at 1 MHz and applied reverse voltage of 4VDC.

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

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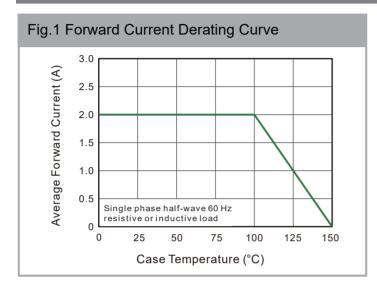


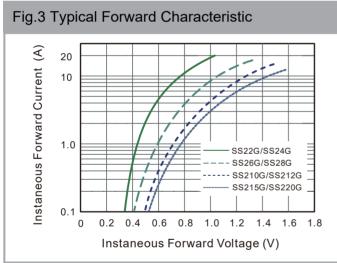
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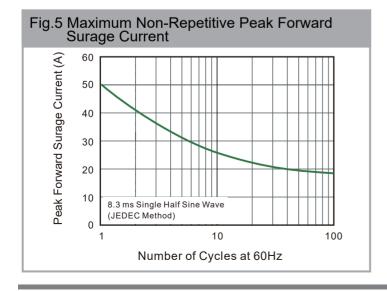
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Electrical Characteristics Curves







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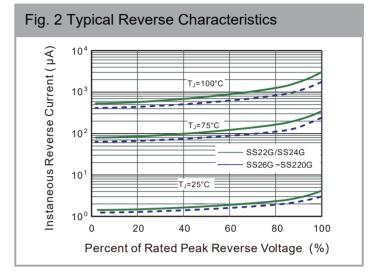


Fig. 4 Typical Junction Capacitance

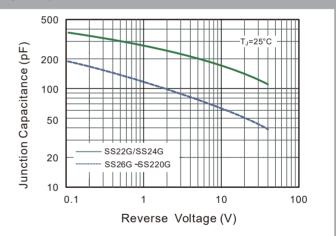
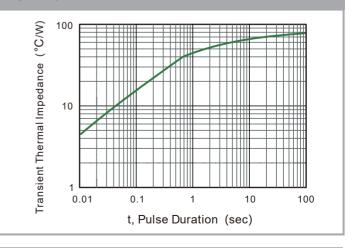


Fig. 6 Typical Transient Thermal Impedance



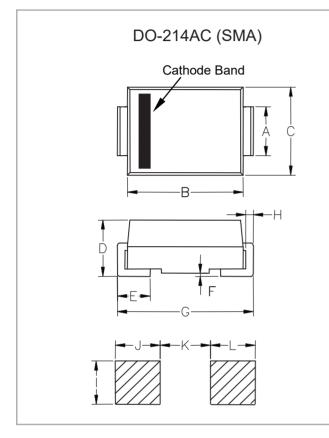
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Package Outline & Dimensions



Dimensione	Incl	hes	Millimeters			
Dimensions	Min.	Max.	Min.	Max.		
А	0.049	0.064	1.230	1.630		
В	0.162	0.179	4.10	4.550		
С	0.099	0.109	2.510	2.760		
D	0.077	0.089	1.960	2.260		
E	0.030	0.060	0.750	1.510		
F	-	0.008	-	0.203		
G	0.192	0.206	4.87	5.220		
Н	0.006	0.012	0.152	0.305		
I	0.070	-	1.800	-		
J	0.082	-	2.100	-		
К	-	0.090	-	2.300		
L	0.082	-	2.100	-		

Marking

Type Number	SS22G	SS24G	SS26G	SS28G	SS210G	SS212G	SS215G	SS220G
Making	SS22	SS24	SS26	SS28	SS210	SS212	SS215	SS220



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