



SS34C Schottky Barrier Diode 40VRRM 20VRRM SMC Package Schottky Barrier Rectifiers

Our Product Introduction

Basic Information

- Place of Origin: Shenzhen, Guangdong, China
- Brand Name: SOCAY
- Certification: REACH, RoHS, ISO
- Model Number: SS34C
- Minimum Order Quantity: 3000PCS
- Price: Negotiable
- Delivery Time: 5-8 work days



Product Specification

- Name: Schottky Barrier Diode
- Rectifiers Package: DO-214AAB/SMC
- Max. VRRM: 40V
- Max. VRMS: 28V
- Product Max. VDC: 40V
- Max. VF At 3A: 0.5V
- RθJL: 15 /W
- RθJA: 110 /W
- Highlight: SS34C, SS34C Schottky Barrier Diode, SMC Package Schottky Barrier Rectifiers



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Product Description

SS34C Schottky Barrier Diode 40VRRM 20VRRM SMC Package Schottky Barrier Rectifiers

SS34C Schottky Barrier Diode DATASHEET: [SS32C_SS320C\(SMC\)_v2311.1.pdf](#)

SS34C Schottky Barrier Diode Characteristics:

SS34C Schottky Barrier Diode Plastic package has Underwriters Laboratory Flammability Classification 94V-0.

For SMC package applications in order to optimize board space.

This component has low power loss, high efficiency.

SS34C has high surge capacity.

Lead free in compliance with EU RoHS 2.0.

Green molding compound as per IEC 61249 standard.

The Following is SS34C Schottky Barrier Diode Mechanical Data:

SS34C Case: JEDEC DO-214AB or SMC molded plastic.

Component Terminals: Solder plated, solderable per MIL-STD-750, Method 2026.

The Approx. Weight: 0.0082 ounces, 0.2325 grams.

Product Polarity: Color band denotes cathode end.

Component Standard packaging: 16mm tape (EIA-481).

Maximum Ratings and Electrical Characteristics of SS34C Schottky Barrier Diode:

Ratings at 25 ° ambient temperature unless otherwise specified. Resistive or inductive load.

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Parameter	Sym bol	SS3 2C	SS3 3C	SS34C	SS3 5C	SS3 6C	SS3 8C	SS31 0C	SS31 5C	SS32 0C	Un it	
Diode Maximum Recurrent Peak Reverse Voltage	VRR M	20	30	40	50	60	80	100	150	200	V	
Diode Maximum RMS Voltage	VRM S	14	21	28	35	42	56	70	105	140	V	
Diode Maximum DC Blocking Voltage	VDC	20	30	40	50	60	80	100	150	200	V	
Diode Maximum Average Forward Current	IF(A V)	3									A	
Peak Forward Surge Current : 8.3ms Single Half Sinewave Superimposed on Rated Load	IFS M	100									A	
Maximum Forward Voltage at 3A (Note 1)	VF	0.5			0.74		0.8		0.9		V	
Maximum DC Reverse Current at Rated DC Blocking Voltage	TJ=25 IR	0.2			0.05						m A	
	TJ=10 0	20			2		1					
Diode Typical Thermal Resistance	(Note 2)	RθJL	15								/ W	
	(Note 3)	RθJ A	110									
Operating Junction Temperature Range	TJ	-55 to +125		-55 to +150		-65 to +175						
Diode Storage Temperature Range	TST G	-55 to +150			-65 to +175							

Notes:1. Pulse Test with PW =300μsec, 1% Duty Cycle.

2. Mounted on a FR4 PCB, single-sided copper, with 100cm² copper pad area.

3. Mounted on a FR4 PCB, single-sided copper, mini pad.

SS34C Schottky Barrier Diode Rating and Characteristic Curves:

Fig1. Typical Forward Characteristics:

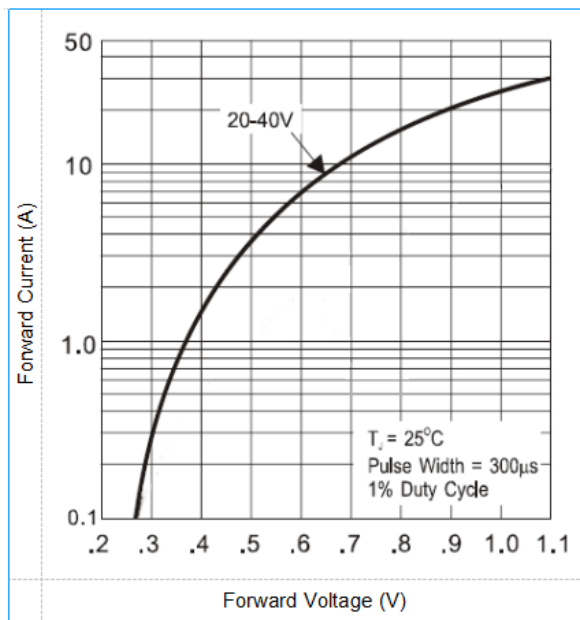
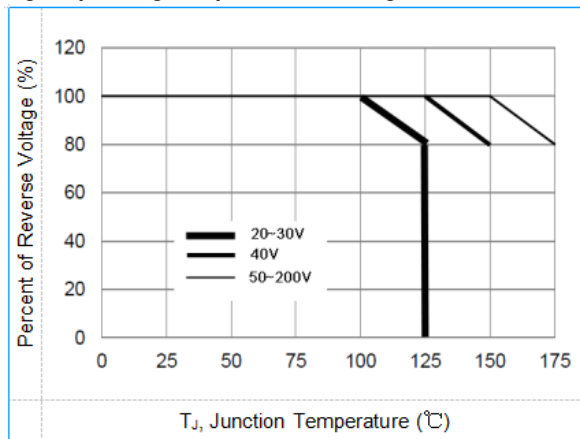
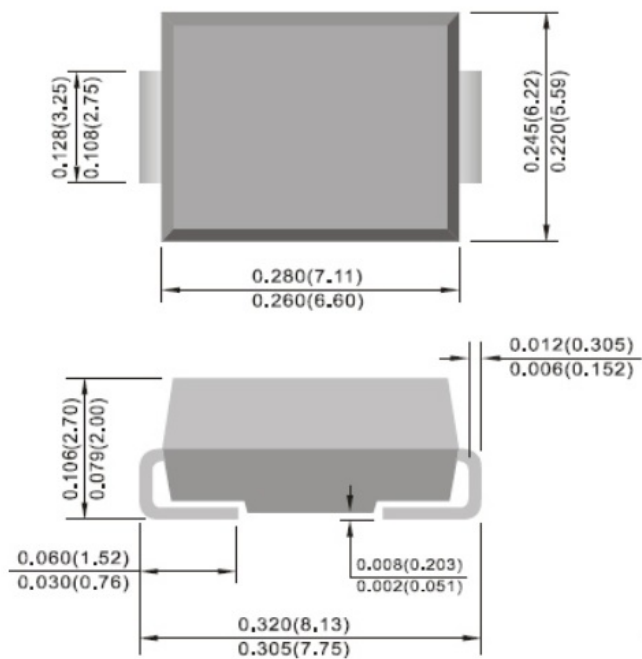


Fig2. Operating Temperature Derating Curve:



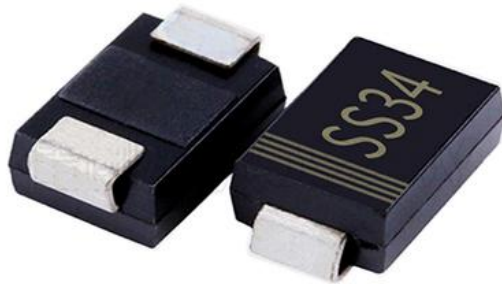
SS34C Schottky Barrier Diode SMC/DO-214AB Package Outline (Unit:inch(mm)):



Packaging Information:

Part Number	Component Package	Quantity	Packaging Option
SS32C SS34C	SMC/DO-214AB	3000 PCS	per 13" plastic Reel

	800 PCS per 7" plastic Reel
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