



Surface Mount Schottky Barrier Rectifiers SS52C~SS520C 20VRRM DO-214AB Package

Our Product Introduction

Basic Information

- Place of Origin: Shenzhen, Guangdong, China
- Brand Name: SOCAY
- Certification: REACH, RoHS, ISO
- Model Number: SS52C
- Minimum Order Quantity: 3000PCS
- Price: Negotiable
- Delivery Time: 5-8 work days



Product Specification

- SS52C Name: Schottky Barrier Rectifiers
- SS52C Package: DO-214AAB/SMC
- SS52C Max. VRRM: 40V
- SS52C Max. VRMS: 28V
- SS52C Max. VDC: 40V
- Max. VF At 3A: 0.55V
- IF(AV): 5A
- TJ: -55 To +125
- Highlight: SS52C Schottky Barrier Rectifiers,
DO-214AB Package Schottky Barrier Rectifiers,
SS52C



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Product Description

Surface Mount Schottky Barrier Rectifiers SS52C~SS520C 20VRRM DO-214AB Package

Schottky Barrier Rectifiers SS52C~SS520C DATASHEET: [SS52C_SS520C\(SMC\)_v2311.1.pdf](#)

Schottky Barrier Rectifiers SS52C~SS520C Features:

SS52C~SS520C Plastic package is in compliance with UL94V-0.

For DO-214AB package applications is in order to optimize board space.

SS52C~SS520C has Low power loss, high efficiency.

The product green molding compound as per IEC 61249 standard.

This component has High surge capacity. That is so good.

SS52C Lead free in compliance with EU RoHS 2.0.

The Following is Mechanical Data:

Schottky Barrier Rectifiers SS52C~SS520C Case: JEDEC DO-214AB molded plastic.

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

Schottky Barrier Rectifiers SS52C~SS520C Polarity: Color band denotes cathode end.

SS52C Standard packaging: 16mm tape (EIA-481).

Schottky Barrier Rectifiers SS52C~SS520C Approx. Weight: 0.0082 ounces, 0.2325 grams.

Max. Ratings and Electrical Features of Schottky Barrier Rectifiers SS52C~SS520C:

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

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SS52C~SS520C Parameter			Sym bol	SS5 2C	SS5 3C	SS54C	SS5 5C	SS5 6C	SS5 8C	SS51 0C	SS51 5C	SS52 0C	Un it	
Max. Recurrent Peak Reverse Voltage VRRM			VRR M	20	30	40	50	60	80	100	150	200	V	
SS52C~SS520C Maximum RMS Voltage			VRM S	14	21	28	35	42	56	70	105	140	V	
SS52C~SS520C Maximum DC Blocking Voltage			VDC	20	30	40	50	60	80	100	150	200	V	
Max. IF(AV) at TL = 75			IF(A V)	5									A	
SS52C~SS520C IFSM : 8.3ms Single Half Sinewave Superimposed on Rated Load			IFSM	100									A	
Max. Forward Voltage at 5A (Note 1)			VF	0.55			0.74		0.8		0.9		V	
Maximum IR at Rated DC Blocking Voltage	TJ=25	IR	0.2			0.05							m A	
	TJ=100		20			10								
SS52C~SS520C Typical Thermal Resistance (Note 2)			RθJL	17									/ W	
			RθJ A	55										
SS52C~SS520C Operating Junction Temperature Range			TJ	-55 to +125		-55 to +150		-65 to +175						
SS52C~SS520C Storage Temperature Range			TST G	-55 to +150			-65 to +175							

Notes:1. SS52C~SS520C Pulse Test with PW =300μsec, 1% Duty Cycle.

2. SS52C~SS520C Mounted on P.C. Board with 14mm² (0.013mm thick) copper pad areas.

Schottky Barrier Rectifiers SS52C~SS520C Rating and Characteristic Curves:

Fig1. Schottky Barrier Rectifiers SS52C~SS520C Forward Current Derating Curve:

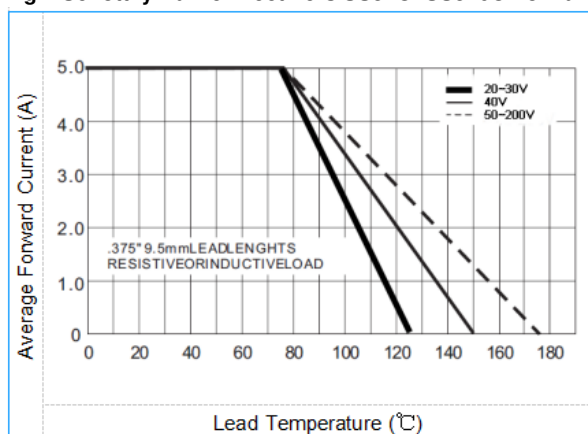
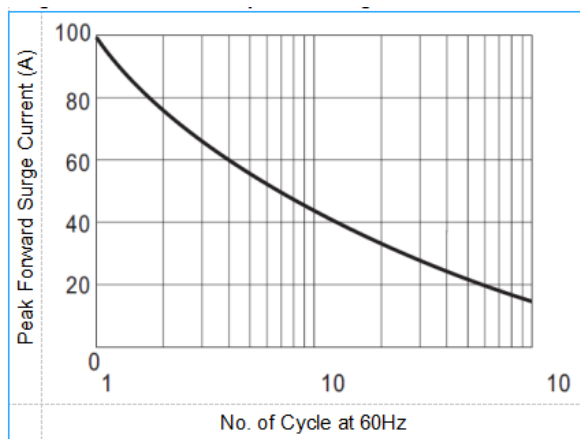
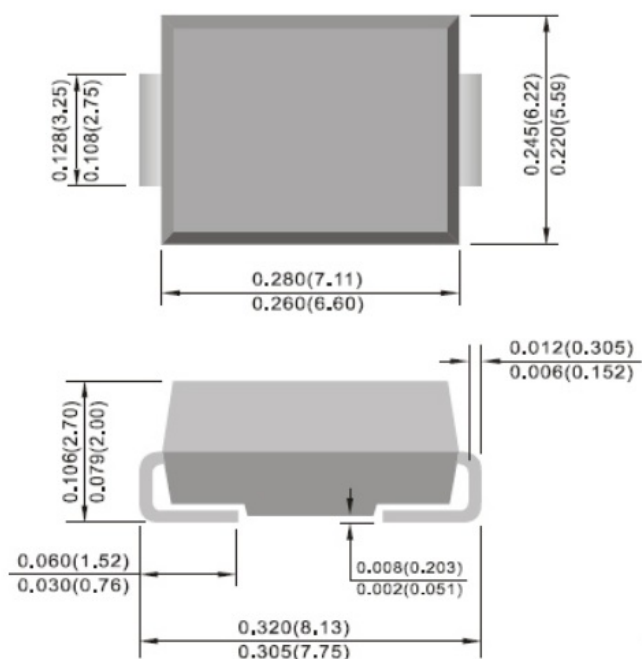


Fig2. SS52C~SS520C Maximum Non-Repetitive Surge Current:



Schottky Barrier Rectifiers SS52C~SS520C Package Outline (Unit:inch(mm)):



Packaging Information:

Part Number	Component Package	Quantity	Packaging Option
SS52C~SS520C	SMC/DO-214AB	3000 PCS	per 13" plastic Reel
		800 PCS	per 7" plastic Reel

