



SS54A 40VRRM SBD Surface Mount Schottky Barrier Rectifiers DO-214AC SMA Package

Our Product Introduction

Basic Information

- Place of Origin: Shenzhen, Guangdong, China
- Brand Name: SOCAY
- Certification: REACH, RoHS, ISO
- Model Number: SS54A
- Minimum Order Quantity: 5000PCS
- Price: Negotiable
- Delivery Time: 5-8 work days



Product Specification

- Electronic Component Name: Schottky Barrier Rectifiers
- Rectifiers Package: DO-214AC(SMA)
- Max. VRRM: 40V
- Rectifiers Max. VRMS: 28V
- SBD Max. VDC: 40V
- Max. Average Forward Rectified Current: 5A
- Rectifiers IFSM: 150A
- Rectifiers VF: 0.55V
- Highlight: **SS54A Schottky Barrier Rectifiers,
Surface Mount Schottky Barrier Rectifiers,
SMA Package Schottky Barrier Rectifiers**



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Product Description

SS54A 40VRRM SBD Surface Mount Schottky Barrier Rectifiers DO-214AC(SMA) Package

Schottky Barrier Rectifiers DATASHEET: [SS54A~SS520A\(SMA\)_v2307.1.pdf](#)

Schottky Barrier Rectifiers SS54A Features:

Metal silicon junction, majority carrier conduction

Suitable for surface mounted applications

Merit: Low power loss, high efficiency

Merit: High forward surge current capability

For use in low voltage, high frequency inverters, free wheeling, and polarity protection applications.

Schottky Barrier Rectifiers SS54A Mechanical Data:

Schottky Barrier Rectifiers SS54A Case: SMA.

SS54A Terminals: Solderable per MIL-STD-750, Method 2026.

Approx. Weight: 60mg / 0.0021oz.

Schottky Barrier Rectifiers SS54A Max. Ratings & Thermal Characteristics:

Schottky Barrier Rectifiers' ratings at 25 ambient temperature unless otherwise specified. Single phase, half wave, 60Hz resistive or inductive load, for capacitive load, derate by 20 %.

Parameter		Symbol	SS54A	SS56A	SS510A	SS515A	SS520A	Unit
Rectifiers Maximum Repetitive Peak Reverse Voltage		VRRM	40	60	100	150	200	V
Rectifiers Maximum RMS Voltage		VRMS	28	42	70	105	140	V
Rectifiers Maximum DC Blocking Voltage		VDC	40	60	100	150	200	V
Maximum Average Forward Current		IF(AV)	5.0					A
Rectifiers Peak Forward Surge Current,8.3ms Single Half Sine-wave Superimposed on Rated Load (JEDEC method)		IFSM	150					A
Rectifiers Max Instantaneous Forward Voltage at 5 A		VF	0.55	0.70	0.85	V		
Maximum DC Reverse Current at Rated DC Reverse Voltage	Ta=25	IR	1.0					mA
			50					
	Ta=100							
Rectifiers Typical Junction Capacitance(1)		Cj	500	300	pF			
Typical Thermal Resistance(2)		RθJA	60					/W
Operating Junction Temperature Range		TJ	-55 to +150					
Rectifiers Storage Temperature Range		TSTG	-55 to +150					

Notes: 1. Measured at 1MHz and applied reverse voltage of 4 V D.C.

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

Schottky Barrier Rectifiers SS54A Dimensions:

DO-214AC (SMA)		Dimensions			
Dim		Inches		Millimeters	
		Min	Max	Min	Max
A		0.067	0.093	1.7	2.36
B		0.049	0.067	1.25	1.7
C		0.002	0.008	0.05	0.2
D		--	0.02	--	0.51
E		0.03	0.06	0.76	1.52
G		0.185	0.209	4.7	5.31
H		0.157	0.185	4	4.7
J		0.086	0.11	2.18	2.8

Schottky Barrier Rectifiers SS54A Packaging Information:

Part Number	Component Package	Quantity
SS54A~SS520A	DO-214AC(SMA)	5000 PCS

Schottky Barrier Rectifiers Warning:

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 **Shenzhen Socay Electronics Co., Ltd.**



+8618126201429



sylvia@socay.com



socaydiode.com

4/F, Block C, HeHengXing Science & Technology Park, 19 MinQing Road, LongHua District, Shenzhen City,
GuangDong Province, China