



## Schottky Barrier Diode SS12A 20V Schottky Rectifiers in DO-214AC Package

Our Product Introduction

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### Basic Information

- Place of Origin: Shenzhen, China
- Brand Name: SOCAY
- Certification: REACH, RoHS, ISO
- Model Number: SS12A
- Minimum Order Quantity: 5000 PCS/REEL
- Packaging Details: DO-214AC(SMA)



### Product Specification

- Package: DO-214AC(SMA)
- Maximum DC Blocking Voltage: 20V
- Peak Forward Surge Current: 40A
- Operating Junction Temperature Range: -65 To +125
- Storage Temperature Range: -65 To +125
- Average Rectified Current At TA=75 : 1A
- Maximum RMS Voltage: 14V
- Maximum Repetitive Peak Reverse Voltage: 20V

## Product Description

### Product Description:

With a peak forward surge current of 40A, this diode electronic component can handle high surge currents without any issues. Its maximum DC blocking voltage of 20V makes it an ideal choice for low voltage applications, ensuring maximum protection for your circuit. The package for this Schottky Barrier Diode is DO-214AC(SMA), which is a surface mount package that allows for easy installation and space-saving on your PCB. Its compact size makes it perfect for use in small electronic devices.

At TA=75 , this diode can handle an average rectified current of 1A, making it a reliable choice for various applications. Its maximum RMS voltage of 14V ensures that it can handle high voltage applications without any issues.

Our Schottky Barrier Diode is a great choice for any electronic circuit that requires a reliable and high-performing diode. Its compact size, high surge current handling capability, and low voltage rating make it perfect for a wide range of applications.

### Features:

Product Name: Schottky Barrier Diode

Package: DO-214AC(SMA)

Operating Junction Temperature Range: -65 To +125

Maximum DC Blocking Voltage: 20V

Average Rectified Current at TA=75 : 1A

Storage Temperature Range: -65 To +125

This Schottky Barrier Diode is a type of Diode that falls under the category of Diodes and Schottky Barrier Rectifiers. It can be used in circuits that require high-speed switching and low forward voltage drop.

### Technical Parameters:

Parameter	Value
Electronic Component Diode	Schottky Barrier Rectifiers
Maximum RMS Voltage	14V
Storage Temperature Range	-65 To +125
Average Rectified Current at TA=75	1A
Package	DO-214AC(SMA)
Peak forward Surge Current	40A
Operating Junction Temperature Range	-65 To +125
Maximum DC Blocking Voltage	20V
Maximum Repetitive Peak Reverse Voltage	20V

### Applications:

The SOCAT SS12A Schottky Barrier Diode is a popular choice among engineers and designers due to its excellent features and specifications. It has a maximum DC blocking voltage of 20V, which makes it suitable for a wide range of electronic devices. Additionally, it has a peak forward surge current of 40A, making it ideal for use in high-current applications.

The SOCAT SS12A Schottky Barrier Diode is also certified by REACH, RoHS, and ISO, ensuring that it is safe and environmentally friendly. It is available in a DO-214AC (SMA) package and can be purchased in a minimum order quantity of 5000pcs/reel.

This electrostatic diode is commonly used in a variety of product applications. It can be used in power supplies, battery chargers, voltage regulators, and many other electronic devices. It is also suitable for use in automotive electronics and other high-reliability applications.

The SOCAT SS12A Schottky Barrier Diode is designed to provide excellent performance in a variety of scenarios. It has an average rectified current of 1A at TA=75 , making it perfect for use in high-temperature environments. It also has a maximum RMS voltage of 14V, making it ideal for use in low-voltage applications.

Overall, the SOCAT SS12A Schottky Barrier Diode is a top-quality component that is perfect for use in a variety of electronic devices. Its excellent features and specifications make it a popular choice among engineers and designers, and its certifications ensure that it is safe and environmentally friendly.

### FAQ:

**Q:** What is the brand name of this Schottky Barrier Diode?

**A:** The brand name of this Schottky Barrier Diode is SOCAT.

**Q:** What is the model number of this Schottky Barrier Diode?

**A:** The model number of this Schottky Barrier Diode is SS12A.

**Q:** Where is this Schottky Barrier Diode manufactured?

**A:** This Schottky Barrier Diode is manufactured in Shenzhen, China.

**Q:** What are the certifications available for this Schottky Barrier Diode?

**A:** The certifications available for this Schottky Barrier Diode are REACH, RoHS, and ISO.

**Q:** What is the minimum order quantity for this Schottky Barrier Diode?

**A:** The minimum order quantity for this Schottky Barrier Diode is 5000PCS/REEL.

**Q:** What is the packaging detail for this Schottky Barrier Diode?

A: The packaging detail for this Schottky Barrier Diode is DO-214AC(SMA).



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