



## Socay SMA Package Schottky Barrier Rectifiers SS310A with 100V Blocking Voltage

Our Product Introduction

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### Basic Information

- Place of Origin: Shenzhen, China
- Brand Name: SOCAY
- Certification: REACH, RoHS, ISO
- Model Number: SS310A
- Minimum Order Quantity: 5000 PCS/REEL
- Packaging Details: DO-214AC(SMA)



### Product Specification

- Package: DO-214AC(SMA)
- Maximum DC Blocking Voltage: 100V
- Typical Junction Capacitance: 500pF
- Maximum Average Forward Rectified Current: 3A
- Operating Junction Temperature Range: -65 To +150
- Maximum RMS Voltage: 70V
- Maximum Repetitive Peak Reverse Voltage: 100V
- Peak Forward Surge Current: 100A

## Product Description

### Product Description:

The maximum average forward rectified current of this diode is 3A, which means that it can handle up to 3 amps of current flowing in the forward direction without overheating or failing. This makes it well-suited for use in power supply circuits and other applications where high current flow is required.

The maximum repetitive peak reverse voltage of the Schottky Barrier Diode is also 100V. This means that it can withstand up to 100 volts of reverse voltage without breaking down. This is an important attribute in any diode, as it ensures that the diode will not be damaged by voltage spikes or other transient events in the circuit.

Another important attribute of this diode is its operating junction temperature range. It can operate within a temperature range of -65 to +150 , which makes it suitable for use in a wide range of environments and applications. This temperature range ensures that the diode will not be damaged by extreme heat or cold, and that it will continue to function reliably even in harsh conditions.

The typical junction capacitance of the Schottky Barrier Diode is 300pF. This is the amount of capacitance that can be expected between the diode's two terminals. This attribute is important in certain types of circuits, such as those that use high-frequency signals, as it can affect the overall performance and characteristics of the circuit.

### Features:

Product Name: Schottky Barrier Diode

Package: DO-214AC(SMA)

Operating Junction Temperature Range: -65 To +150

Maximum Repetitive Peak Reverse Voltage: 100V

Typical Junction Capacitance: 300pF

Maximum Average Forward Rectified Current: 3A

This Schottky Barrier Diode is a type of Schottky Barrier Rectifiers, also known as a Bridge Rectifier Diode. It is a Surface Mount Schottky Barrier Rectifiers, making it easy to install on a circuit board.

### Technical Parameters:

Attribute	Value
Electronic Component Diode	Surface Mount Schottky Barrier Rectifiers
Operating Junction Temperature Range	-65 To +150
Maximum Average Forward Rectified Current	3A
Peak Forward Surge Current	100A
Maximum DC Blocking Voltage	100V
Maximum RMS Voltage	70V
Package	DO-214AC(SMA)
Maximum Repetitive Peak Reverse Voltage	100V
Typical Junction Capacitance	300pF

### Applications:

The SOCAY SS310A Schottky Barrier Diode can operate in a temperature range of -65 to +150 , making it suitable for use in a variety of harsh environments. With a maximum average forward rectified current of 3A and a maximum repetitive peak reverse voltage of 100V, this diode can handle a wide range of applications. The maximum RMS voltage of this diode is 70V.

Due to its high-quality construction and reliable performance, the SOCAY SS310A Schottky Barrier Diode is suitable for use in a variety of product application occasions. It can be used in electronic devices such as power supplies, battery chargers, and LED lighting. It can also be used in automotive and industrial applications.

Overall, the SOCAY SS310A Schottky Barrier Diode is a versatile, reliable, and high-performing product that can be used in a variety of scenarios. Its certifications, high maximum average forward rectified current, and maximum repetitive peak reverse voltage make it ideal for use in bridge rectifier diodes, diode triode transistors, and low voltage rectifier diodes. Its operating temperature range and maximum RMS voltage make it suitable for use in harsh environments and a variety of electronic products.

### FAQ:

Q: What is the Brand Name of this Schottky Barrier Diode?

A: The Brand Name of this Schottky Barrier Diode is SOCAY.

Q: What is the Model Number of this Schottky Barrier Diode?

A: The Model Number of this Schottky Barrier Diode is SS310A.

Q: Where is this Schottky Barrier Diode produced?

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

Q: What certifications does this Schottky Barrier Diode have?

A: This Schottky Barrier Diode has REACH, RoHS, and ISO certifications.

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 are the packaging details for this Schottky Barrier Diode?

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



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