



## 3A Peak Forward Surge Current Schottky Barrier Rectifiers SS320A With 200V Maximum Peak Reverse Voltage

Our Product Introduction

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### Basic Information

- Place of Origin: Shenzhen, China
- Brand Name: SOCAY
- Certification: REACH, RoHS, ISO
- Model Number: SS320A
- Minimum Order Quantity: 5000 PCS/REEL
- Packaging Details: DO-214AC(SMA)



### Product Specification

- Typical Junction Capacitance: 300pF
- Package: DO-214AC(SMA)
- Maximum Average Forward Rectified Current: 3A
- Operating Junction Temperature Range: -65 To +150
- Peak Forward Surge Current: 100A
- Maximum RMS Voltage: 140V
- Maximum Repetitive Peak Reverse Voltage: 200V
- Maximum DC Blocking Voltage: 200V

## Product Description

### Product Description:

The Schottky Barrier Diode is also designed to operate across a wide temperature range, from -65 to +150. This makes it ideal for use in applications where temperature fluctuations are common or where the diode may be exposed to extreme temperatures. The diode's junction temperature range ensures that it remains operational and reliable, even in harsh environments.

One of the key benefits of the Schottky Barrier Diode is its ability to handle peak forward surge currents of up to 100A. This makes it an ideal choice for use in electrostatic diode applications where high currents may be present. The diode's ability to handle high currents ensures that it remains reliable and safe, even in demanding environments.

The Schottky Barrier Diode is a high-quality product that is designed to provide reliable performance in a range of applications. Whether you are building a power supply circuit or working with electrostatic diodes, this diode is an excellent choice. With its robust design, wide temperature range, and ability to handle high currents, the Schottky Barrier Diode is a reliable and versatile component that can be used in a range of applications.

### Features:

Product Name: Schottky Barrier Diode

High forward surge current Semiconductor

Maximum Average Forward Rectified Current: 3A

Typical Junction Capacitance: 300pF

Operating Junction Temperature Range: -65 To +150

Maximum DC Blocking Voltage: 200V

Maximum Repetitive Peak Reverse Voltage: 200V

Diode Triode Transistor

Bridge Rectifier Diode

### Technical Parameters:

| Technical Parameter                       | Value                  |
|---|------------------------|
| Product                                   | Schottky Barrier Diode |
| Typical Junction Capacitance              | 300pF                  |
| Operating Junction Temperature Range      | -65 To +150            |
| Peak Forward Surge Current                | 100A                   |
| Maximum Average Forward Rectified Current | 3A                     |
| Maximum Repetitive Peak Reverse Voltage   | 200V                   |
| Package                                   | DO-214AC(SMA)          |
| Maximum DC Blocking Voltage               | 200V                   |
| Maximum RMS Voltage                       | 140V                   |

### Applications:

The SOCAT SS320A Schottky Barrier Diode is a high-quality surface mounted diode used in various electronic devices. The product is manufactured in Shenzhen, China, and has been certified by REACH, RoHS, and ISO. The minimum order quantity for this product is 5000PCS/REEL, and it comes in DO-214AC(SMA) packaging.

The SOCAT SS320A Schottky Barrier Diode is a type of diode that is commonly used in bridge rectifier diode applications. It has a maximum average forward rectified current of 3A, a maximum repetitive peak reverse voltage of 200V, and a maximum DC blocking voltage of 200V. The typical junction capacitance for this product is 300pF.

This product is suitable for a variety of application occasions and scenarios. It can be used as a rectifier diode in power supplies, inverters, and converters. It is also commonly used in switching power supplies, DC-DC converters, and battery charging circuits. Other applications include low voltage regulators, reverse voltage protection, and high-frequency rectification.

The SOCAT SS320A Schottky Barrier Diode is a reliable and high-performance product that is ideal for use in a variety of electronic devices. It is designed for use in surface mounted applications and can be used in both commercial and industrial settings. Its compact size and high efficiency make it a popular choice for many different types of electronic devices.

### FAQ:

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

A: The brand name is SOCAT.

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

A: The model number is SS320A.

Q: Where is this Schottky Barrier Diode manufactured?

A: It is manufactured in Shenzhen, China.

Q: What certifications does this Schottky Barrier Diode have?

A: It has REACH, RoHS, and ISO certifications.

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

A: The minimum order quantity is 5000PCS/REEL.

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

A: The packaging details is DO-214AC(SMA).



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