



## 100V Repetitive Peak Reverse Voltage Schottky Barrier Rectifier Diodes SS310B With 80A Peak Surge

Our Product Introduction

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### Basic Information

- Place of Origin: Shenzhen, China
- Brand Name: SOCAY
- Certification: REACH, RoHS, ISO
- Model Number: SS310B
- Minimum Order Quantity: 3000PCS/REEL
- Packaging Details: DO-214AA(SMB)



### Product Specification

- Maximum Repetitive Peak Reverse Voltage: 100V
- Maximum Forward Voltage: 0.8V
- Package: DO-214AA(SMB)
- Peak Forward Surge Current: 80A
- Maximum RMS Voltage: 70V
- Maximum DC Blocking Voltage: 100V
- Maximum Average Forward Current: 3A
- Operating Junction Temperature Range: -65 To +175

## Product Description

### Product Description:

The Schottky Barrier Diode is capable of handling peak forward surge currents of up to 80A, making it ideal for use in demanding and high-power applications. This feature ensures that it is capable of delivering consistent performance and reliable results, even in the most challenging conditions.

Designed to be compact and easy to use, the Schottky Barrier Diode comes in a DO-214AA(SMB) package, which makes it easy to integrate into existing electronic circuitry. It is also designed to operate over a wide range of temperatures, with an operating junction temperature range of -65 To +175 . This ensures that it is capable of delivering consistent performance in a variety of different environments and applications.

The Schottky Barrier Diode is also designed to provide a low forward voltage drop, with a maximum forward voltage of just 0.8V. This feature makes it ideal for use in low-power applications, where energy efficiency is a top priority. It also helps to reduce power consumption and extend the life of electronic devices.

In summary, the Schottky Barrier Diode is a high-performance electronic component diode that is designed to provide reliable performance in a wide range of applications. With its high DC blocking voltage, peak forward surge current, and low forward voltage drop, it is ideal for use in demanding and high-power applications. Its compact size, temperature range, and ease of use make it a versatile and reliable choice for a variety of different electronic projects.

### Features:

Product Name: Schottky Barrier Diode

Operating Junction Temperature Range: -65 To +175

Maximum DC Blocking Voltage: 100V

Maximum RMS Voltage: 70V

Peak Forward Surge Current: 80A

Maximum Repetitive Peak Reverse Voltage: 100V

Keywords: Bridge Rectifier Diode, Diode Electronic Component, Electrostatic Diode

### Technical Parameters:

Product Attribute	Value
Product Name	Low Voltage Rectifier Diode
Type	Schottky Barrier Diode
Maximum Average Forward Current	3A
Operating Junction Temperature Range	-65 To +175
Maximum Forward Voltage	0.8V
Peak Forward Surge Current	80A
Maximum DC Blocking Voltage	100V
Maximum RMS Voltage	70V
Maximum Repetitive Peak Reverse Voltage	100V
Package	DO-214AA(SMB)
Product Description	Electrostatic Diode, Diodes

### Applications:

One of the unique features of SOCAY SS310B is its ability to handle high forward surge current. The peak forward surge current of the diode is 80A, which makes it an ideal semiconductor device for high current applications. The maximum average forward current of the diode is 3A, which makes it suitable for low voltage rectification applications.

The diode is available in reels, and the minimum order quantity is 3000PCS. The packaging details include DO-214AA(SMB), which is a surface mount package. The diode is suitable for a wide range of applications, including power supplies, voltage regulators, and battery charging circuits. SOCAY SS310B is a reliable semiconductor device that enables efficient power management.

The Schottky Barrier Diodes are commonly used in circuits where low voltage drop is required. The diode's low forward voltage drop makes it an ideal choice for rectification applications. The diode is suitable for use in circuits that require high efficiency and low power dissipation.

In conclusion, SOCAY SS310B is a high-quality Schottky Barrier Diode that is designed to act as a low voltage rectifier diode. The surface-mounted diode is suitable for a wide range of applications, including power supplies, voltage regulators, and battery charging circuits. The diode's high forward surge current and low forward voltage drop make it an ideal choice for applications that require high efficiency and low power dissipation.

### Customization:

Brand Name: SOCAY

Model Number: SS310B

Place of Origin: Shenzhen, China

Certification: REACH, RoHS, ISO  
Minimum Order Quantity: 3000PCS/REEL  
Packaging Details: DO-214AA(SMB)  
Maximum Repetitive Peak Reverse Voltage: 100V  
Maximum RMS Voltage: 70V  
Maximum Forward Voltage: 0.8V  
Maximum DC Blocking Voltage: 100V  
Maximum Average Forward Current: 3A  
Keywords: Diode, Triode, Transistor, Electrostatic Diode, Bridge Rectifier Diode

#### FAQ:

Q: What is the brand name of the Schottky Barrier Diode?  
A: The brand name of the Schottky Barrier Diode is SOCAY.  
Q: What is the model number of the Schottky Barrier Diode?  
A: The model number of the Schottky Barrier Diode is SS310B.  
Q: Where is the Schottky Barrier Diode manufactured?  
A: The Schottky Barrier Diode is manufactured in Shenzhen, China.  
Q: What certifications does the Schottky Barrier Diode have?  
A: The Schottky Barrier Diode has REACH, RoHS, and ISO certifications.  
Q: What is the minimum order quantity for the Schottky Barrier Diode?  
A: The minimum order quantity for the Schottky Barrier Diode is 3000PCS/REEL.  
Q: What is the packaging details of the Schottky Barrier Diode?  
A: The packaging details of the Schottky Barrier Diode is DO-214AA(SMB).



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