



Reverse Voltage 150V Surface Mount Schottky Barrier Rectifiers SS315B with Low Power Consumption

Our Product Introduction

for more products please visit us on socaydiode.com

Basic Information

- Place of Origin: Shenzhen, China
- Brand Name: SOCAY
- Certification: REACH, RoHS, ISO
- Model Number: SS315B
- Minimum Order Quantity: 3000PCS/REEL
- Packaging Details: DO-214AA(SMB)



Product Specification

- Peak Forward Surge Current: 80A
- Maximum DC Blocking Voltage: 150V
- Maximum RMS Voltage: 105V
- Operating Junction Temperature Range: -65 To +175
- Maximum Repetitive Peak Reverse Voltage: 150V
- Package: DO-214AA(SMB)
- Maximum Forward Voltage: 0.9V
- Maximum Average Forward Current: 3A

Product Description

Product Description:

The Schottky Barrier Diode offers a maximum average forward current of 3A, which means it can handle high current loads without any issues. It also has a maximum forward voltage of 0.9V, which ensures that power dissipation in the diode is minimized. With a maximum DC blocking voltage of 20V, this diode is capable of handling a wide range of voltage levels.

The Schottky Barrier Diode is designed to operate within a wide temperature range, from -65 to +175 . This makes it suitable for use in harsh environments where temperature fluctuations are common. The diode is also designed to be surface mountable, with a DO-214AA(SMB) package that ensures it can be mounted securely on your circuit board.

In summary, our Schottky Barrier Diode is a high forward surge current semiconductor that is ideal for applications that require high current loads. With a maximum average forward current of 3A, maximum forward voltage of 0.9V, and maximum DC blocking voltage of 150V, this diode is capable of handling a wide range of voltage levels. It is also designed to operate within a wide temperature range, from -65 to +175 , making it suitable for use in harsh environments. The DO-214AA(SMB) package ensures that the diode can be surface mounted securely on your circuit board, making it easy to integrate into your circuits.

Features:

Product Name: Schottky Barrier Diode

Maximum Forward Voltage: 0.9V

Maximum DC Blocking Voltage: 150V

Peak Forward Surge Current: 80A

Maximum RMS Voltage: 105V

Package: DO-214AA(SMB)

Type: Surface Mount Schottky Barrier Rectifiers

Function: Diode Triode Transistor

Special Feature: Electrostatic Diode

Technical Parameters:

Product Attribute	Value
Product Name	Schottky Barrier Diode
Package	DO-214AA(SMB)
Maximum DC Blocking Voltage	150V
Maximum RMS Voltage	105V
Peak Forward Surge Current	80A
Maximum Repetitive Peak Reverse Voltage	150V
Maximum Average Forward Current	3A
Maximum Forward Voltage	0.9V
Operating Junction Temperature Range	-65 To +175

Applications:

Manufactured and tested in Shenzhen, China, this product complies with international standards and certifications such as REACH, RoHS, and ISO. It comes in a DO-214AA(SMB) packaging and has a minimum order quantity of 3000PCS/REEL.

The SOCATY SS315B Schottky Barrier Diode is ideal for a wide range of product application occasions and scenarios. Here are some examples:

Power supply units of various electronic devices

Battery charging circuits

DC-DC converters

Reverse voltage protection

Solar panels and inverters

With a maximum forward voltage of only 0.9V and a maximum average forward current of 3A, this diode provides a low voltage drop and high efficiency in energy conversion. Its operating junction temperature range of -65 to +175 also makes it suitable for use in extreme environments.

Overall, the SOCATY SS315B Schottky Barrier Diode is a reliable and cost-effective solution for various electronic applications. Choose this product and enjoy its excellent performance and durability.

FAQ:

Q1: What is the brand name of this Schottky Barrier Diode product?

A1: The brand name of this product is SOCATY.

Q2: What is the model number of this Schottky Barrier Diode product?

A2: The model number of this product is SS315B.

Q3: Where is this Schottky Barrier Diode product produced?

A3: This product is produced in Shenzhen, China.

Q4: What certifications does this Schottky Barrier Diode product have?

A4: This product has REACH, RoHS, and ISO certifications.

Q5: What is the minimum order quantity and packaging details of this Schottky Barrier Diode product?

A5: The minimum order quantity is 3000PCS/REEL and the packaging details are DO-214AA(SMB).



 **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