



Maximum DC Blocking Voltage 100V Schottky Barrier Diode Low Power Loss SMA Package

Our Product Introduction

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Basic Information

- Place of Origin: Shenzhen, China
- Brand Name: SOCAY
- Certification: REACH, RoHS, ISO
- Model Number: SS510A
- Minimum Order Quantity: 5000 PCS/REEL
- Packaging Details: DO-214AC(SMA)



Product Specification

- Package: DO-214AC(SMA)
- Operating Junction Temperature Range: -55 To +150
- Maximum DC Blocking Voltage: 100V
- Maximum Average Forward Current: 5A
- Typical Junction Capacitance: 300pF
- Peak Forward Surge Current: 150A
- Maximum Repetitive Peak Reverse Voltage: 100V
- Maximum RMS Voltage: 70V

Product Description

Product Description:

These Surface Mount Schottky Barrier Rectifiers come in a DO-214AC(SMA) package and can handle a Maximum RMS Voltage of 70V. This makes them ideal for use in low voltage applications where high efficiency is required. The Schottky Barrier Rectifiers can also handle a Peak Forward Surge Current of 150A, ensuring reliable operation even in high-current applications.

With a Maximum Repetitive Peak Reverse Voltage of 100V, these Schottky Barrier Rectifiers are perfect for use in rectification circuits, voltage clamping circuits, and DC-DC converters. They are also ideal for use in power supplies, battery chargers, and other low voltage applications where high efficiency is a must.

Overall, our Surface Mount Schottky Barrier Rectifiers are a reliable and efficient solution for any low voltage application. With their small size, high efficiency, and excellent performance, they are sure to meet your needs and exceed your expectations.

Features:

Product Name: Schottky Barrier Diode

Type: Surface Mounted Diode

Category: Electronic Component Diode

Operating Junction Temperature Range: -55 To +150

Typical Junction Capacitance: 300pF

Maximum RMS Voltage: 70V

Maximum Average Forward Current: 5A

Maximum Repetitive Peak Reverse Voltage: 100V

Can be used as a Diode Triode Transistor

Technical Parameters:

Parameter	Value
Electronic Component Diode Type	Schottky Barrier Diode
Maximum DC Blocking Voltage	100V
Peak Forward Surge Current	150A
Maximum RMS Voltage	70V
Maximum Repetitive Peak Reverse Voltage	100V
Typical Junction Capacitance	300pF
Operating Junction Temperature Range	-55 To +150
Package	DO-214AC(SMA)
Maximum Average Forward Current	5A

Applications:

The SOCAY SS510A Schottky Barrier Rectifiers are ideal for use in a variety of applications, including power supplies, voltage regulators, battery chargers, and other electronic circuits. These diodes are made of high-quality semiconductor materials that ensure reliable performance and long-lasting durability.

These Schottky Barrier Rectifiers have a maximum repetitive peak reverse voltage rating of 100V, making them ideal for use in low-voltage electronic circuits. They are also designed to operate efficiently in a wide range of temperatures, with an operating junction temperature range of -55 to +150 .

The SOCAY SS510A Schottky Barrier Rectifiers are certified by REACH, RoHS, and ISO, ensuring that they meet the highest standards for quality and environmental responsibility. They are available in a reel packaging format, with a minimum order quantity of 5000PCS/REEL.

The package for these diodes is DO-214AC(SMA), which is a surface-mountable package that allows for easy assembly onto printed circuit boards. This package is ideal for use in high-density electronic circuits that require compact components.

In conclusion, the SOCAY SS510A Schottky Barrier Rectifiers are a high-quality semiconductor diode electronic component that is designed for use in a variety of applications. With their high forward surge current and reliable performance, they are an excellent choice for use in power supplies, voltage regulators, battery chargers, and other electronic circuits that require efficient power management. Their compact DO-214AC(SMA) packaging and high-quality construction make them an excellent choice for use in high-density electronic circuits.

FAQ:

Frequently Asked Questions:

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 SS510A.

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 is certified by REACH, RoHS, and ISO.

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

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

Q: What is the packaging of the Schottky Barrier Diode?

A: The packaging of the Schottky Barrier Diode is DO-214AC(SMA).



 **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