



## 100V High Forward Surge Current Schottky Diode SS210A With Extended Storage Temperature Range

Our Product Introduction

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### Basic Information

- Place of Origin: Shenzhen, China
- Brand Name: SOCAY
- Certification: REACH, RoHS, ISO
- Model Number: SS210A
- Minimum Order Quantity: 5000PCS/REEL
- Packaging Details: DO-214AC(SMA)



### Product Specification

- Maximum DC Blocking Voltage: 100V
- Storage Temperature Range: -65 To +125
- Maximum Repetitive Peak Reverse Voltage: 100V
- Average Rectified Current At TA=75 : 2A
- Operating Junction Temperature Range: -65 To +125
- Peak Forward Surge Current: 50A
- Package: DO-214AC(SMA)
- Maximum RMS Voltage: 70V

## Product Description

### Product Description:

One of the key benefits of the Schottky Barrier Diode is its ability to operate efficiently over a wide range of temperatures. With an operating junction temperature range of -65 to +125 , this diode can be used in a variety of applications and environments without experiencing any performance issues. This makes it a versatile component for use in a range of electronic devices and systems. Another important feature of the Schottky Barrier Diode is its peak forward surge current rating of 50A. This means that the diode can handle short-term surges of current without being damaged, which is essential for protecting sensitive electronic components and ensuring the reliability of the overall system.

The Schottky Barrier Diode is packaged in a DO-214AC (SMA) package, which is a surface-mount device that is easy to install and provides a secure and reliable connection. This package is widely used in the electronics industry and is compatible with a range of other electronic components.

In summary, the Schottky Barrier Diode is a versatile and reliable component that can be used as a low voltage rectifier diode or as a diode triode transistor. With a maximum repetitive peak reverse voltage of 100V, an operating junction temperature range of -65 to +125 , and a peak forward surge current rating of 50A, this diode is well-suited for use in a range of electronic devices and systems. Its DO-214AC (SMA) package makes it easy to install and provides a secure and reliable connection, making it a popular choice for electronics manufacturers and designers.

### Features:

Product Name: Schottky Barrier Diode

Package: DO-214AC(SMA)

Maximum RMS Voltage: 70V

Maximum DC Blocking Voltage: 100V

Maximum Repetitive Peak Reverse Voltage: 100V

Peak forward Surge Current: 50A

This product is a type of Schottky Barrier Rectifiers, which are semiconductor devices designed for high forward surge current. It is also a Low Voltage Rectifier Diode, capable of handling low voltages up to 100V.

### Technical Parameters:

| Technical Parameter                     | Value                                     |
|-----------------------------------------|-------------------------------------------|
| Product Name                            | Surface Mount Schottky Barrier Rectifiers |
| Type                                    | Low Voltage Rectifier Diode               |
| Storage Temperature Range               | -65 To +125                               |
| Average Rectified Current at TA=75      | 2A                                        |
| Peak Forward Surge Current              | 50A                                       |
| Maximum RMS Voltage                     | 70V                                       |
| Maximum Repetitive Peak Reverse Voltage | 100V                                      |
| Operating Junction Temperature Range    | -65 To +125                               |
| Maximum DC Blocking Voltage             | 100V                                      |
| Package                                 | DO-214AC(SMA)                             |
| Product Description                     | Surface Mount Schottky Barrier Rectifiers |

### Applications:

One of the most common applications for the SS210A diode is as a bridge rectifier diode. Its high peak forward surge current of 50A and maximum repetitive peak reverse voltage of 100V make it ideal for use in this type of circuit. This diode is able to handle significant amounts of power, making it a reliable choice for converting AC to DC power in a range of different electronic devices.

The SS210A diode is also commonly used in other rectification circuits, as well as in voltage regulation circuits. Its maximum RMS voltage of 70V and average rectified current at TA=75 of 2A make it a versatile choice for a range of different applications.

In addition to its superior performance, the SOCAY SS210A Schottky Barrier Diode is also highly certified, with REACH, RoHS, and ISO certifications. This makes it a reliable and safe choice for use in a wide range of different electronic devices and applications.

With a minimum order quantity of 5000PCS/REEL and packaging details of DO-214AC(SMA), the SS210A diode is a highly convenient choice for manufacturers and designers. Its operating junction temperature range of -65 to +125 also makes it suitable for use in a range of different environments and conditions.

Overall, the SOCAY SS210A Schottky Barrier Diode is a highly versatile and reliable electronic component diode that is suitable for a wide range of different applications. Whether you are looking for a bridge rectifier diode, a voltage regulation circuit, or a rectification circuit, this diode is a trusted and proven choice.

### Customization:

Choose SOCAY for your Schottky Barrier Diode needs and take advantage of our product customization services. We specialize in providing high-quality diode triode transistor components to suit your specific requirements. Contact us today to learn more about how we

can help you.

#### FAQ:

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

A1: The brand name of the Schottky Barrier Diode is SOCAY.

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

A2: The model number of the Schottky Barrier Diode is SS210A.

**Q3: Where is the Schottky Barrier Diode manufactured?**

A3: The Schottky Barrier Diode is manufactured in Shenzhen, China.

**Q4: What certifications does the Schottky Barrier Diode have?**

A4: The Schottky Barrier Diode is certified with REACH, RoHS, and ISO.

**Q5: What is the minimum order quantity and packaging details for the Schottky Barrier Diode?**

A5: The minimum order quantity for the Schottky Barrier Diode is 5000PCS/REEL and the packaging details are DO-214AC(SMA).



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