



## 50A Peak Surge 50V 2A Schottky Diode with -65 To 125 Operating Junction 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: SS25A
- Minimum Order Quantity: 5000 PCS/REEL
- Packaging Details: DO-214AC(SMA)



### Product Specification

- Maximum DC Blocking Voltage: 50V
- Average Rectified Current At TA=75 : 2A
- Maximum RMS Voltage: 35V
- Peak Forward Surge Current: 50A
- Storage Temperature Range: -65 To +125
- Operating Junction Temperature Range: -65 To +125
- Package: DO-214AC(SMA)
- Maximum Repetitive Peak Reverse Voltage: 50V

## Product Description

### Product Description:

Our Schottky Barrier Diodes have a maximum repetitive peak reverse voltage and maximum DC blocking voltage of 50V, ensuring optimal performance and protection for your electronic devices. With an average rectified current of 2A at TA=75 , these diodes are suitable for a wide range of applications.

The package for our Surface Mount Schottky Barrier Rectifiers is DO-214AC(SMA), which is a surface mounted diode that is easy to install and use. These diodes are a reliable and efficient solution for rectification and voltage regulation in electronic circuits.

Our Schottky Barrier Diodes are a crucial electronic component for any engineer or hobbyist working with electronic circuits. With their high performance and reliability, these diodes are sure to provide the necessary protection and functionality for your projects.

### Features:

Product Name: Schottky Barrier Diode

Electrostatic Diode

Schottky Barrier Rectifiers

Bridge Rectifier Diode

Storage Temperature Range: -65 To +125

Maximum Repetitive Peak Reverse Voltage: 50V

Operating Junction Temperature Range: -65 To +125

Maximum DC Blocking Voltage: 50V

Maximum RMS Voltage: 35V

### Technical Parameters:

| Parameter                               | Value                       |
|-----------------------------------------|-----------------------------|
| Electronic Component Diode              | Schottky Barrier Rectifiers |
| Maximum Repetitive Peak Reverse Voltage | 50V                         |
| Average Rectified Current at TA=75      | 2A                          |
| Maximum RMS Voltage                     | 35V                         |
| Operating Junction Temperature Range    | -65 To +125                 |
| Maximum DC Blocking Voltage             | 50V                         |
| Peak Forward Surge Current              | 50A                         |
| Package                                 | DO-214AC(SMA)               |
| Storage Temperature Range               | -65 To +125                 |

### Applications:

The SOCA Y SS25A Schottky Barrier Diode is a high-quality electronic component that can be used in a variety of applications. This diode is designed to provide reliable and efficient performance in a range of scenarios, making it a versatile option for electronics engineers, hobbyists, and manufacturers alike.

One of the primary applications for the SS25A diode is as a rectifier in electronic circuits. This diode is capable of handling up to 2A of average rectified current at 75 , making it an ideal choice for low-power applications. Additionally, the diode's maximum RMS voltage of 35V and maximum repetitive peak reverse voltage of 50V make it suitable for use in a variety of circuit designs.

The SS25A diode can also be used in bridge rectifier configurations, which are commonly used in power supplies and other high-current applications. When used in a bridge rectifier, the SS25A diode can help to convert AC signals to DC signals with high efficiency and minimal voltage drop.

In addition to its use as a rectifier, the SS25A diode is also well-suited for use as an electrostatic diode. This makes it an ideal choice for applications where electrostatic discharge (ESD) protection is required. The diode's maximum DC blocking voltage of 50V ensures that sensitive components are protected from damage due to static electricity.

The SOCA Y SS25A Schottky Barrier Diode is manufactured in Shenzhen, China and is certified to meet REACH, RoHS, and ISO standards. The minimum order quantity for the diode is 5000PCS/REEL, and it is packaged in DO-214AC(SMA) format for easy handling. The diode's storage temperature range of -65 to +125 ensures that it can be stored and transported safely, even in harsh environments.

### FAQ:

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

A: The brand name of the Schottky Barrier Diode is SOCA Y.

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

A: The model number of the Schottky Barrier Diode is SS25A.

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

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

**Q: What are the certifications for the Schottky Barrier Diode?**

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

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

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



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