



## SS25B Schottky Barrier Diode 2A Maximum Average Forward Current 50V Maximum DC Blocking Voltage

Our Product Introduction

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### Basic Information

- Place of Origin: Shenzhen, China
- Brand Name: SOCAY
- Certification: REACH, RoHS, ISO
- Model Number: SS25B
- Minimum Order Quantity: 3000 PCS/REEL
- Packaging Details: DO-214AA(SMB)



### Product Specification

- Maximum Average Forward Current: 2A
- Maximum Repetitive Peak Reverse Voltage: 50V
- Operating Junction Temperature Range: -55 To +150
- Package: DO-214AA(SMB)
- Peak Forward Surge Current: 50A
- Maximum DC Blocking Voltage: 50V
- Maximum Forward Voltage: 0.7V
- Maximum RMS Voltage: 35V

## Product Description

### Product Description:

Our Schottky Barrier Diode has a peak forward surge current rating of 50A, making it an ideal choice for high current applications. It is also designed to operate within a wide temperature range, from -55 to +150 , ensuring reliable performance even in extreme conditions. The maximum average forward current of our Schottky Barrier Diode is 2A, which makes it suitable for use in a wide range of electronic circuits. Additionally, its maximum forward voltage rating of 0.7V ensures that it delivers high efficiency and reduces power loss. Our Schottky Barrier Diode is designed to handle a maximum RMS voltage of 35V, which makes it a reliable choice for use in a wide range of electronic applications. Whether you're building a diode triode transistor or any other type of electronic circuit, our Schottky Barrier Diode is sure to deliver outstanding performance.

### Features:

Product Name: Schottky Barrier Diode

Operating Junction Temperature Range: -55 To +150

Package: DO-214AA(SMB)

Maximum Repetitive Peak Reverse Voltage: 50V

Maximum RMS Voltage: 35V

Maximum Average Forward Current: 2A

High forward surge current Semiconductor

Low Voltage Rectifier Diode

Bridge Rectifier Diode

### Technical Parameters:

Parameter	Value
Electronic Component Diode Type	Schottky Barrier Diode
Peak Forward Surge Current	50A
Maximum DC Blocking Voltage	50V
Maximum Repetitive Peak Reverse Voltage	50V
Operating Junction Temperature Range	-55 To +150
Maximum Average Forward Current	2A
Maximum Forward Voltage	0.7V
Maximum RMS Voltage	35V
Package	DO-214AA(SMB)

### Applications:

One of the most common applications for the SS25B Schottky Barrier Diode is in power supplies. This diode is ideal for use in power supplies because of its high forward surge current and low forward voltage drop. Additionally, the SS25B is designed to handle high voltages, making it a great choice for applications that require high voltage protection.

Another common application for the SS25B Schottky Barrier Diode is in battery charging circuits. Because of its low forward voltage drop, this diode is ideal for use in battery charging circuits where efficiency is critical. Additionally, the SS25B can handle high currents, making it a great choice for high-performance charging circuits.

The SS25B Schottky Barrier Diode can also be used in a variety of other applications, including rectification, freewheeling, and reverse polarity protection. This diode is a great choice for any application that requires high-performance semiconductor diodes, diode triode transistors, or other similar devices.

When you choose the SS25B Schottky Barrier Diode from SOCAY, you can rest assured that you are getting a high-quality product that is manufactured in Shenzhen, China. Additionally, this diode is certified by REACH, RoHS, and ISO, ensuring that it meets the highest standards of quality and safety.

The SS25B Schottky Barrier Diode is available in a DO-214AA(SMB) package and has a minimum order quantity of 3000PCS/REEL. This diode is designed to provide reliable and efficient performance in a variety of applications, making it a great choice for anyone in need of high-performance semiconductor diodes.

### FAQ:

**Frequently Asked Questions about SOCAY SS25B Schottky Barrier Diode:**

**Q: What is Schottky Barrier Diode and how does it differ from other diodes?**

A Schottky Barrier Diode is a semiconductor device that has a low forward voltage drop and a very fast switching action. It differs from other diodes in that it uses a metal-semiconductor contact instead of a p-n junction to form a rectifying junction.

**Q: What is the maximum current and voltage rating of SOCAY SS25B?**

The maximum current rating of SOCAY SS25B is 2A and the maximum voltage rating is 40V.

**Q: What is the package type of SOCAY SS25B?**

SOCAY SS25B is packaged in DO-214AA (SMB) package.

**Q: Is SOCAY SS25B compliant with environmental regulations?**

Yes, SOCAY SS25B is certified by REACH and RoHS and is compliant with ISO standards.

**Q: What is the minimum order quantity for SOCAY SS25B?**

The minimum order quantity for SOCAY SS25B is 3000 pieces per reel.



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