



## SS215B Schottky Barrier Diode 50A Peak Forward Surge 150V 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: SS215B
- Minimum Order Quantity: 3000PCS/REEL
- Packaging Details: DO-214AA(SMB)



### Product Specification

- Maximum Average Forward Current: 2A
- Package: DO-214AA(SMB)
- Operating Junction Temperature Range: -55 To +175
- Maximum RMS Voltage: 105V
- Peak Forward Surge Current: 50A
- Maximum Repetitive Peak Reverse Voltage: 150V
- Maximum Forward Voltage: 0.9V
- Maximum DC Blocking Voltage: 150V

## Product Description

### Product Description:

Peak forward surge current is an important aspect of any diode, and this Schottky Barrier Diode boasts a peak forward surge current of 50A, making it an excellent choice for high power applications.

This diode has an operating junction temperature range of -55 to +175 , ensuring a wide range of operating temperatures and making it suitable for use in a variety of environments. With a maximum forward voltage of 0.9V, this Schottky Barrier Diode is able to provide efficient power conversion with minimal voltage loss. It also has a maximum average forward current of 2A, making it an ideal choice for applications that require high power output.

Schottky Barrier Rectifiers are a type of diode that are commonly used in applications that require low voltage drop and high switching speeds. This Schottky Barrier Diode is no exception, offering fast switching speeds and low power loss.

In summary, this Schottky Barrier Diode is a reliable and durable electronic component diode that is suitable for use in a wide range of power applications. With its high surge current, wide operating temperature range, low forward voltage drop, and high average forward current, this diode is an excellent choice for any project that requires a high-quality diode triode transistor.

### Features:

Product Name: Schottky Barrier Diode

Operating Junction Temperature Range: -55 To +175

Maximum Forward Voltage: 0.9V

Maximum RMS Voltage: 105V

Maximum DC Blocking Voltage: 150V

Maximum Repetitive Peak Reverse Voltage: 150V

Keywords: Electrostatic Diode, High forward surge current Semiconductor, Surface mounted Diode

### Technical Parameters:

Product Attribute	Value
Product Type	Surface Mount Schottky Barrier Rectifiers
Maximum Repetitive Peak Reverse Voltage	150V
Maximum DC Blocking Voltage	150V
Maximum Average Forward Current	2A
Maximum RMS Voltage	105V
Maximum Forward Voltage	0.9V
Peak Forward Surge Current	50A
Operating Junction Temperature Range	-55 To +175
Package	DO-214AA(SMB)

### Applications:

The SS215B Schottky Barrier Diode is commonly used in various applications such as power supplies, battery chargers, and voltage regulators. It is suitable for applications that require a low forward voltage drop and high efficiency. This diode is also ideal for use in bridge rectifier diodes, where it can be used to convert AC power to DC power.

The Schottky Barrier Diode is known for its fast switching capabilities and low power loss. It is a popular choice for applications that require high frequency operation, such as radio frequency (RF) applications. The diode is also useful in applications that require low noise and low distortion, such as audio circuits.

The SS215B Schottky Barrier Diode is a reliable and durable product that is designed to meet the needs of various industries. It has a peak forward surge current of 50A, which makes it suitable for use in high power applications. The diode is also available in a DO-214AA(SMB) package, which makes it easy to mount on a printed circuit board.

### FAQ:

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

A1. The brand name of this product is SOCAY.

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

A2. The model number of this product is SS215B.

**Q3. Where is this Schottky Barrier Diode product manufactured?**

A3. This product is manufactured in Shenzhen, China.

**Q4. What certifications does this Schottky Barrier Diode product have?**

A4. This product is certified by REACH, RoHS, and ISO.

**Q5. What is the minimum order quantity for this Schottky Barrier Diode product?**

A5. The minimum order quantity for this product is 3000PCS/REEL, and it is packaged in DO-214AA(SMB).



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