



## 40V Maximum Repetitive Peak Reverse Voltage SMA Schottky Barrier Diodes Handle 150A Peak Forward Surge

Our Product Introduction

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### Basic Information

- Place of Origin: Shenzhen, China
- Brand Name: SOCAY
- Certification: REACH, RoHS, ISO
- Model Number: SS54A
- Minimum Order Quantity: 5000 PCS/REEL
- Packaging Details: DO-214AC(SMA)



### Product Specification

- Package: DO-214AC(SMA)
- Maximum Repetitive Peak Reverse Voltage: 40V
- Peak Forward Surge Current: 150A
- Maximum DC Blocking Voltage: 40V
- Maximum RMS Voltage: 28V
- Typical Junction Capacitance: 500pF
- Maximum Average Forward Current: 5A
- Operating Junction Temperature Range: -55 To +150

## Product Description

### Product Description:

The Schottky Barrier Diode has a maximum DC blocking voltage of 40V, making it ideal for use in a wide range of applications. It has an operating junction temperature range of -55 to +150 , which ensures that it can operate efficiently in both high and low temperature environments. The package for this diode is DO-214AC(SMA), which is a surface mount package that is easy to install and provides excellent thermal performance.

The maximum repetitive peak reverse voltage for the Schottky Barrier Diode is 40V, which makes it suitable for use in a variety of applications. It has a typical junction capacitance of 500pF, which ensures that it can handle high-frequency signals with ease. The Schottky Barrier Diode is a reliable and efficient solution for applications that require high performance and low power dissipation. Schottky Barrier Diodes are a type of semiconductor diode that is designed to provide low forward voltage drop and high switching speed. They are commonly used in power management and switching circuits, as well as in rectifiers and voltage regulators. Schottky Barrier Diodes are known for their high efficiency and low power dissipation, which makes them ideal for use in battery-powered applications.

### Features:

Product Name: Schottky Barrier Diode

Type: Low Voltage Rectifier Diode

Peak Forward Surge Current: 150A

Typical Junction Capacitance: 500pF

Maximum Average Forward Current: 5A

Package: DO-214AC(SMA)

Maximum RMS Voltage: 28V

Technology: Surface Mount Schottky Barrier Rectifiers

Application: Diodes

### Technical Parameters:

|                                         |               |
|-----------------------------------------|---------------|
| Operating Junction Temperature Range    | -55 To +150   |
| Maximum RMS Voltage                     | 28V           |
| Peak Forward Surge Current              | 150A          |
| Maximum DC Blocking Voltage             | 40V           |
| Typical Junction Capacitance            | 500pF         |
| Maximum Average Forward Current         | 5A            |
| Maximum Repetitive Peak Reverse Voltage | 40V           |
| Package                                 | DO-214AC(SMA) |

This is a surface mounted diode with low voltage rectifier diode and electrostatic diode characteristics.

### Applications:

This Schottky Barrier Diode is designed to be used in a range of applications, including bridge rectifier diode circuits, switching power supplies, and voltage clamping circuits. It is also suitable for use in reverse polarity protection circuits, as well as in battery charging circuits, power management systems, and DC-DC converters.

The SS54A Schottky Barrier Diode is manufactured in Shenzhen, China, and is certified to meet REACH, RoHS, and ISO standards for quality and safety. It is available in minimum order quantities of 5000PCS/REEL and packaged in DO-214AC(SMA) packaging.

This Schottky Barrier Diode is designed to operate within a wide temperature range, from -55 to +150 , making it suitable for use in a range of environments. Its maximum DC blocking voltage of 40V ensures that it can handle a range of voltages and applications.

Overall, the SOCAY SS54A Schottky Barrier Diode is an excellent choice for those looking for a reliable and efficient diode for their low voltage rectifier diode circuits, diode triode transistor circuits, and bridge rectifier diode circuits. Its high surge current and wide temperature range make it suitable for a range of applications, and its certifications ensure that it meets high standards for quality and safety.

### FAQ:

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

A: The brand name of this Schottky Barrier Diode is SOCAY.

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

A: The model number of this Schottky Barrier Diode is SS54A.

Q: Where is this Schottky Barrier Diode manufactured?

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

Q: What certifications does this Schottky Barrier Diode have?

A: This Schottky Barrier Diode has REACH, RoHS, and ISO certifications.

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

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

Q: What is the packaging details for this Schottky Barrier Diode?

A: The packaging details for this Schottky Barrier Diode is DO-214AC(SMA).

