



## 100A Peak Surge Current Schottky Diode SS38A in DO-214AC Package for Stable Circuit Performance

Our Product Introduction

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### Basic Information

- Place of Origin: Shenzhen, China
- Brand Name: SOCAY
- Certification: REACH, RoHS, ISO
- Model Number: SS38A
- Minimum Order Quantity: 5000PCS/REEL
- Packaging Details: DO-214AC(SMA)



### Product Specification

- Maximum Average Forward Rectified Current: 3A
- Maximum DC Blocking Voltage: 80V
- Maximum Repetitive Peak Reverse Voltage: 80V
- Maximum RMS Voltage: 56V
- Peak Forward Surge Current: 100A
- Operating Junction Temperature Range: -65 To +150
- Package: DO-214AC(SMA)
- Typical Junction Capacitance: 500pF

## Product Description

### Product Description:

As an electrostatic diode, it boasts a maximum repetitive peak reverse voltage of 80V and a maximum DC blocking voltage of 80V, making it an ideal component for use in various electronic circuits and systems.

The package of this Schottky Barrier Diode is DO-214AC(SMA), which is a surface mount package that offers easy installation and a low profile. This makes it perfect for use in devices where space is limited.

With a typical junction capacitance of 500pF, this diode is perfect for fast-switching applications where high switching speeds are required. It also has an operating junction temperature range of -65 to +150 , which ensures reliable operation even in extreme temperature conditions.

This Schottky Barrier Diode is a must-have for anyone looking to create reliable and efficient electronic circuits. So, whether you are a professional or a hobbyist, this diode is perfect for your needs. Get yours today and experience the benefits of using high-quality diodes in your electronic projects!

### Features:

Product Name: Schottky Barrier Diode

Package: DO-214AC(SMA)

Maximum Repetitive Peak Reverse Voltage: 80V

Maximum DC Blocking Voltage: 80V

Typical Junction Capacitance: 500pF

Peak forward Surge Current: 100A

This Schottky Barrier Diode is a type of Diode that is often used as a Low Voltage Rectifier Diode. It falls under the category of Diode Triode Transistor, and is commonly used in electronic circuits.

### Technical Parameters:

Technical Parameter	Value
Peak Forward Surge Current	100A
Operating Junction Temperature Range	-65 To +150
Maximum DC Blocking Voltage	80V
Maximum Average Forward Rectified Current	3A
Typical Junction Capacitance	500pF
Maximum Repetitive Peak Reverse Voltage	80V
Maximum RMS Voltage	56V
Package	DO-214AC(SMA)

This Schottky Barrier Diode product features a high forward surge current and is classified as a semiconductor, bridge rectifier diode, and electrostatic diode.

### Applications:

The SOCA Y SS38A Schottky Barrier Diode is a Low Voltage Rectifier Diode that is highly reliable and efficient. It has a maximum DC Blocking Voltage of 80V and a Maximum Repetitive Peak Reverse Voltage of 80V, making it ideal for low voltage applications. This product has a typical junction capacitance of 500pF, and it can operate within a wide range of temperatures, from -65 to +150 , making it suitable for use in harsh environments.

The SOCA Y SS38A Schottky Barrier Diode can be used in a variety of Product Application Occasions and Scenarios. It is commonly used in low voltage power supplies, voltage regulators, and DC-DC converters. It is also used in battery chargers, LED lighting, and other electronics applications that require low voltage rectification. This product is highly recommended for applications that require fast switching, low forward voltage drop, and high efficiency.

The SOCA Y SS38A Schottky Barrier Diode has a Peak Forward Surge Current of 100A, making it highly durable and able to withstand high power surges. It has a small form factor that saves space on PCBs and is surface mountable, making it easy to install and use.

### Customization:

Keywords: Low Voltage Rectifier Diode, Schottky Barrier Rectifiers, Electrostatic Diode

### FAQ:

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

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

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

A2: The model number of the Schottky Barrier Diode is SS38A.

**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 by REACH, RoHS, and ISO.

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

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



 **Shenzhen Socay Electronics Co., Ltd.**



+8618126201429



sylvia@socay.com



socaydiode.com

4/F, Block C, HeHengXing Science & Technology Park, 19 MinQing Road, LongHua District, Shenzhen City,  
GuangDong Province, China