



## 40A Peak Surge Current Semiconductor Diode SS120A Electronic Component DO-214AC Package

Our Product Introduction

for more products please visit us on [socaydiode.com](http://socaydiode.com)

### Basic Information

- Place of Origin: Shenzhen, China
- Brand Name: SOCAY
- Certification: REACH, RoHS, ISO
- Model Number: SS120A
- Minimum Order Quantity: 5000 PCS/REEL
- Packaging Details: DO-214AC(SMA)



### Product Specification

- Storage Temperature Range: -65 To +125
- Package: DO-214AC(SMA)
- Operating Junction Temperature Range: -65 To +125
- Maximum DC Blocking Voltage: 200V
- Average Rectified Current At TA=75 : 1A
- Maximum Repetitive Peak Reverse Voltage: 200V
- Maximum RMS Voltage: 140V
- Peak Forward Surge Current: 40A

## Product Description

### Product Description:

The Schottky Barrier Diode comes in a surface mount package, specifically the DO-214AC(SMA) package. This package offers efficient heat dissipation and a small form factor, making it easy to integrate into your circuit design. This product has a peak forward surge current of 40A, ensuring reliable operation even in high current applications. The Schottky Barrier Diode is also designed to operate over a wide temperature range, with a storage temperature range of -65 to +125 . Overall, the Schottky Barrier Diode is a high-quality semiconductor device that is perfect for a wide range of electronic applications. With its high forward surge current, surface mount package, and reliable performance over a wide temperature range, this product is an excellent choice for anyone looking for a top-quality schottky barrier rectifier.

### Features:

Product Name: Schottky Barrier Diode

Peak forward Surge Current: 40A

Storage Temperature Range: -65 To +125

Package: DO-214AC(SMA)

Average Rectified Current at TA=75 : 1A

Maximum Repetitive Peak Reverse Voltage: 200V

This product is a type of Schottky Barrier Rectifiers, also known as a Diode or an Electrostatic Diode. It has a peak forward surge current of 40A, a maximum repetitive peak reverse voltage of 200V, and an average rectified current at TA=75 of 1A. The package for this product is DO-214AC(SMA). It can be stored in a temperature range of -65 to +125 .

### Technical Parameters:

| Product Attribute                       | Value                  |
|-----------------------------------------|------------------------|
| Product Name                            | Schottky Barrier Diode |
| Peak Forward Surge Current              | 40A                    |
| Maximum DC Blocking Voltage             | 200V                   |
| Maximum RMS Voltage                     | 140V                   |
| Package                                 | DO-214AC(SMA)          |
| Storage Temperature Range               | -65 To +125            |
| Average Rectified Current at TA=75      | 1A                     |
| Operating Junction Temperature Range    | -65 To +125            |
| Maximum Repetitive Peak Reverse Voltage | 200V                   |

### Applications:

SOCAY SS120A Schottky Barrier Diode is a high-quality diode that is widely used in various electronic circuits. It is a low voltage rectifier diode that offers a maximum repetitive peak reverse voltage of 200V and an average rectified current at TA=75 of 1A. It is a semiconductor device that is highly efficient and reliable.

The Schottky Barrier Diode is suitable for a wide range of product application occasions and scenarios, including:

**Power Supplies:** SOCAY SS120A Schottky Barrier Diode is ideal for use in power supply circuits. It provides high forward surge current, making it a perfect choice for applications that require high power.

**Solar Panels:** The diode is also an excellent choice for use in solar panels. It helps to prevent reverse current from flowing back into the solar panel, which can damage the panel and reduce its efficiency.

**Battery Chargers:** SOCAY SS120A Schottky Barrier Diode is suitable for use in battery charger circuits. It helps to protect the battery from damage by preventing reverse current from flowing back into the charger.

**Automotive Electronics:** The diode is also commonly used in the automotive industry. It is ideal for use in various electronic circuits in cars and other vehicles.

**Consumer Electronics:** SOCAY SS120A Schottky Barrier Diode is also used in various consumer electronics products. It is ideal for use in circuits that require high efficiency and reliability, such as smartphones, tablets, and laptops.

The Schottky Barrier Diode is designed and manufactured in Shenzhen, China, and is certified with REACH, RoHS, and ISO certifications. The minimum order quantity for this product is 5000PCS/REEL, and it comes in DO-214AC(SMA) packaging. It has an operating junction temperature range of -65 to +125 and a storage temperature range of -65 to +125 .

### Customization:

Ordering is easy, with a minimum order quantity of 5000PCS/REEL and convenient packaging details in DO-214AC(SMA) format. Customize your diodes to meet your specific needs and preferences, with a range of options available to suit your unique requirements. Choose the SOCAY SS120A Schottky Barrier Diode for reliable, high-performance bridge rectifier diode or diode triode transistor applications.

## FAQ:

### Frequently Asked Questions about SOCAY SS120A Schottky Barrier Diode:

**Q: What is the voltage rating of SOCAY SS120A Schottky Barrier Diode?**

A: The maximum voltage rating of SOCAY SS120A Schottky Barrier Diode is 20V.

**Q: What is the maximum forward current of SOCAY SS120A Schottky Barrier Diode?**

A: The maximum forward current of SOCAY SS120A Schottky Barrier Diode is 1A.

**Q: What is the reverse recovery time of SOCAY SS120A Schottky Barrier Diode?**

A: The reverse recovery time of SOCAY SS120A Schottky Barrier Diode is 10ns.

**Q: What is the package type of SOCAY SS120A Schottky Barrier Diode?**

A: SOCAY SS120A Schottky Barrier Diode comes in a DO-214AC(SMA) package.

**Q: What are the certifications of SOCAY SS120A Schottky Barrier Diode?**

A: SOCAY SS120A Schottky Barrier Diode is certified with REACH, RoHS, and ISO.

**Q: What is the minimum order quantity of SOCAY SS120A Schottky Barrier Diode?**

A: The minimum order quantity of SOCAY SS120A Schottky Barrier Diode is 5000PCS/REEL.



 **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