



## 1A Electrostatic Schottky Diode Surface Mounted Diode SS18A SMA Package

Our Product Introduction

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### Basic Information

- Place of Origin: Shenzhen, China
- Brand Name: SOCAY
- Certification: REACH, RoHS, ISO
- Model Number: SS18A
- Minimum Order Quantity: 5000PCS/REEL
- Packaging Details: DO-214AC(SMA)



### Product Specification

- Operating Junction Temperature Range: -65 To +125
- Storage Temperature Range: -65 To +125
- Average Rectified Current At TA=75 : 1A
- Maximum RMS Voltage: 56V
- Package: DO-214AC(SMA)
- Peak Forward Surge Current: 40A
- Maximum Repetitive Peak Reverse Voltage: 80V
- Maximum DC Blocking Voltage: 80V

## Product Description

### Product Description:

The Schottky Barrier Rectifiers are designed to operate within a wide range of temperatures. It has a storage temperature range of -65 to +125 , which ensures optimal performance even in extreme environments. Additionally, its package is a DO-214AC(SMA) which is a surface mount package with an SMA footprint and provides a space-saving solution for your circuit design.

This Electronic Component Diode is capable of handling peak forward surge currents of up to 40A, making it ideal for applications where there are occasional spikes in current demand. This diode is made with high-quality materials and is highly reliable, ensuring that your circuits are protected against overvoltage and overcurrent conditions.

In summary, our Schottky Barrier Rectifiers are a reliable and efficient choice for your electronic applications. With its moderate current handling capabilities, low voltage rating, wide temperature range, and SMA package, it's a versatile option for a variety of circuit designs. Its ability to handle surge currents makes it ideal for applications where current spikes are a concern. Choose this Electronic Component Diode for your next project and enjoy improved performance and protection.

### Features:

Product Name: Schottky Barrier Diode

Type: Surface mounted Diode

Current Rating: Average Rectified Current at TA=75 : 1A

Voltage Rating: Maximum RMS Voltage: 56V

Package: DO-214AC(SMA)

Peak Forward Surge Current: 40A

Repetitive Peak Reverse Voltage: 80V

Type: Electrostatic Diode

High forward surge current Semiconductor

### Technical Parameters:

Technical Parameter	Value
Product Type	Surface mounted Diode
Average Rectified Current at TA=75	1A
Maximum Repetitive Peak Reverse Voltage	80V
Maximum RMS Voltage	56V
Operating Junction Temperature Range	-65 To +125
Maximum DC Blocking Voltage	80V
Peak forward Surge Current	40A
Storage Temperature Range	-65 To +125
Package	DO-214AC(SMA)
Product Attributes	Low Voltage Rectifier Diode

### Applications:

The maximum RMS voltage for the SS18A diode is 56V, and it has a maximum repetitive peak reverse voltage of 80V. The peak forward surge current is 40A, and the operating junction temperature range is between -65 to +125 . At TA=75 , the average rectified current is 1A.

The SS18A Schottky Barrier Diode is suitable for a variety of applications and occasions, including:

Power supply units

Automotive electronics

Consumer electronics

Industrial electronics

Lighting applications

Solar energy systems

The diode can be used in circuits that require high-frequency rectification, such as switching power supplies and LED driver circuits. It is also suitable for applications that require low forward voltage drop, such as battery charging circuits and voltage regulators.

The SS18A Schottky Barrier Diode's bridge rectifier diode design makes it an ideal choice for use in both AC and DC circuits. It is a reliable and efficient diode that can help to improve the performance of electronic circuits. With its high-quality construction and certifications, the SS18A diode is the perfect choice for engineers and hobbyists alike.

### Customization:

Our Schottky Barrier Diode is manufactured in Shenzhen, China, and comes complete with REACH, RoHS, and ISO certification for your peace of mind. Whether you're working on a small-scale project or a large commercial application, our Schottky Barrier Diode is the perfect choice.

With a minimum order quantity of 5000PCS/REEL, our Schottky Barrier Diode is available in DO-214AC (SMA) packaging, making it easy to store and transport. And with an operating junction temperature range of -65 to +125 and a storage temperature range of -65 to +125, you can be confident that it will perform reliably in even the toughest conditions.

#### FAQ:

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

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

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

A: The model number of the Schottky Barrier Diode is SS18A.

**Q: Where is the Schottky Barrier Diode made?**

A: The Schottky Barrier Diode is made in Shenzhen, China.

**Q: What certifications does the Schottky Barrier Diode have?**

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

**Q: What are the minimum order quantity and packaging details for the Schottky Barrier Diode?**

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



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