



## SOCAY SS16A Surface Mount Schottky Barrier Rectifiers 40A Peak forward Surge Current

Our Product Introduction

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### Basic Information

- Place of Origin: Shenzhen, China
- Brand Name: SOCAY
- Certification: REACH, RoHS, ISO
- Model Number: SS16A
- Minimum Order Quantity: 5000PCS/REEL
- Packaging Details: DO-214AC(SMA)



### Product Specification

- Maximum DC Blocking Voltage: 60V
- Package: DO-214AC(SMA)
- Maximum Repetitive Peak Reverse Voltage: 60V
- Maximum RMS Voltage: 42V
- Average Rectified Current At TA=75 : 1A
- Storage Temperature Range: -65 To +125
- Operating Junction Temperature Range: -65 To +125
- Peak Forward Surge Current: 40A

## Product Description

### Product Description:

One of the standout features of our Schottky Barrier Diode is its high forward surge current capacity, which can reach up to 40A. This makes it an ideal choice for applications that require high-current pulses, such as power supplies, motor control circuits, and inverters. With its robust design and efficient performance, this diode can handle even the toughest operating conditions without compromising its functionality.

Another notable attribute of our Schottky Barrier Diode is its maximum DC blocking voltage of 60V. This means it can effectively prevent reverse voltage and ensure reliable performance even in complex circuits. Its average rectified current at TA=75 is 1A, making it a versatile choice for a wide range of electronic applications.

Our Schottky Barrier Diode comes in a DO-214AC(SMA) package, which is a surface-mount device that simplifies the installation and integration process. It also offers enhanced thermal management and improved mechanical strength, ensuring that the diode can withstand extreme temperatures and harsh environments.

Whether you're working on a complex electronic project or simply need a reliable diode for voltage regulation, our Schottky Barrier Diode is an excellent choice. With its superior surge current capacity, high DC blocking voltage, and efficient rectification performance, it's a versatile and dependable electronic component that can meet your specific needs.

### Features:

Product Name: Schottky Barrier Diode

Type: Surface mounted Diode

Maximum RMS Voltage: 42V

Maximum DC Blocking Voltage: 60V

Average Rectified Current at TA=75 : 1A

Package: DO-214AC(SMA)

Storage Temperature Range: -65 To +125

Classification: Diode Triode Transistor

Other features: Schottky Barrier Rectifiers

### Technical Parameters:

Product Attributes	Technical Parameters
Diode Electronic Component Type	Schottky Barrier Diode
Maximum Repetitive Peak Reverse Voltage	60V
Maximum DC Blocking Voltage	60V
Maximum RMS Voltage	42V
Average Rectified Current at TA=75	1A
Peak Forward Surge Current	40A
Operating Junction Temperature Range	-65 To +125
Storage Temperature Range	-65 To +125
Package	DO-214AC(SMA)

### Applications:

These Schottky Barrier Diodes are designed to handle an average rectified current of 1A at TA=75 , with a maximum DC blocking voltage of 20V. This makes them suitable for use in applications where low voltage drop and high current capability are necessary.

The SOCAY SS16A Schottky Barrier Diodes are also designed to withstand a peak forward surge current of 40A, making them reliable and ideal for use in environments where power surges are common. They can handle maximum repetitive peak reverse voltage of 60V and operate within a storage temperature range of -65 to +125 .

These Schottky Barrier Diodes can be used in a variety of applications such as power supplies, voltage regulators, DC-DC converters, and battery chargers. They are particularly useful in circuits where low voltage drop and high current capability are important.

### FAQ:

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

A: The brand name is SOCAY.

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

A: The model number is SS16A.

Q: Where is this Schottky Barrier Diode manufactured?

A: It is manufactured in Shenzhen, China.

Q: What certifications does this Schottky Barrier Diode have?

A: It has REACH, RoHS, and ISO certifications.

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

A: The minimum order quantity is 5000PCS/REEL.

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

A: The packaging is DO-214AC(SMA).



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