



## SOCAY Surface Mount Schottky Barrier Rectifiers SBD302D1 Maximum RMS Voltage 14V

Our Product Introduction

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### Basic Information

- Place of Origin: Shenzhen, China
- Brand Name: SOCAY
- Certification: REACH, RoHS, ISO
- Model Number: SBD302D1
- Minimum Order Quantity: 3000 PCS/REEL
- Packaging Details: SOD-123FL



### Product Specification

- Maximum Repetitive Peak Reverse Voltage: 20V
- Storage Temperature Range: -50 To +150
- Peak Forward Surge Current: 50A
- Package: SOD-123FL
- Average Rectified Current At TA=75 : 3A
- Maximum RMS Voltage: 14V
- Operating Junction Temperature Range: -50 To +150
- Maximum DC Blocking Voltage: 20V

## Product Description

### Product Description:

Our Schottky Barrier Rectifiers have an Average Rectified Current of 3A at TA=75 , making them suitable for a wide range of applications. Whether you need to rectify AC power or convert DC power, our Schottky Barrier Rectifiers can handle the job.

In addition, our Schottky Barrier Rectifiers have a Storage Temperature Range of -50 To +150 , ensuring that they can be stored and used in a wide range of environments. Whether you are working in extreme heat or cold, our Schottky Barrier Rectifiers will perform reliably and consistently.

Overall, our Schottky Barrier Rectifiers are the perfect choice for any high forward surge current Semiconductor application. With their reliable performance, easy installation, and wide range of temperature tolerance, they are sure to meet all of your needs. So why wait? Order your Schottky Barrier Rectifiers today and experience the difference for yourself!

### Features:

Product Name: Schottky Barrier Diode

Peak Forward Surge Current: 50A

Package: SOD-123FL

Maximum RMS Voltage: 14V

Maximum DC Blocking Voltage: 20V

Operating Junction Temperature Range: -50 To +150

This product is a type of electronic component diode known as a Schottky Barrier Diode. It is a low voltage rectifier diode that is commonly used in electronic circuits. It is designed to handle peak forward surge currents of up to 50A, making it suitable for use in high-power applications. The package for this product is SOD-123FL. It has a maximum RMS voltage of 14V and a maximum DC blocking voltage of 20V. It can operate over a wide temperature range, from -50 to +150 .

### Technical Parameters:

Technical Parameter	Value
Product Name	Schottky Barrier Diode
Type	Low Voltage Rectifier Diode
Maximum Repetitive Peak Reverse Voltage	20V
Maximum DC Blocking Voltage	20V
Maximum RMS Voltage	14V
Average Rectified Current at TA=75	3A
Peak Forward Surge Current	50A
Operating Junction Temperature Range	-50 To +150
Storage Temperature Range	-50 To +150
Package	SOD-123FL

### Applications:

SOCAY SBD302D1 is a Schottky Barrier Diode that is widely used in various electronic circuits. The product is manufactured in Shenzhen, China, and complies with international standards such as REACH, RoHS, and ISO. The diode is available in a SOD-123FL package, with a minimum order quantity of 3000PCS/REEL.

The diode is a surface-mounted diode that provides low forward voltage drop, high switching speed, and high current capability. The maximum RMS voltage of the diode is 14V, and the maximum repetitive peak reverse voltage is 20V. The diode operates in a wide temperature range from -50 to +150 .

The Schottky Barrier Diode is commonly used in bridge rectifier diodes, diode triode transistors, and other circuits that require power rectification. The diode can handle an average rectified current of 3A at TA=75 , making it suitable for use in various power supply applications.

The SBD302D1 Schottky Barrier Diode is an ideal product for applications that require fast switching and high current capability. The product is widely used in power supply circuits, voltage regulators, and other electronic circuits that require rectification and power management. The diode is packaged in SOD-123FL, making it easy to mount on PCBs and other electronic devices.

Overall, the SOCAY SBD302D1 Schottky Barrier Diode is a reliable and efficient product that provides superior performance in various electronic applications. Its low forward voltage drop, high switching speed, and high current capability make it an ideal choice for engineers and designers who require high-quality diodes for their electronic circuits.

### FAQ:

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

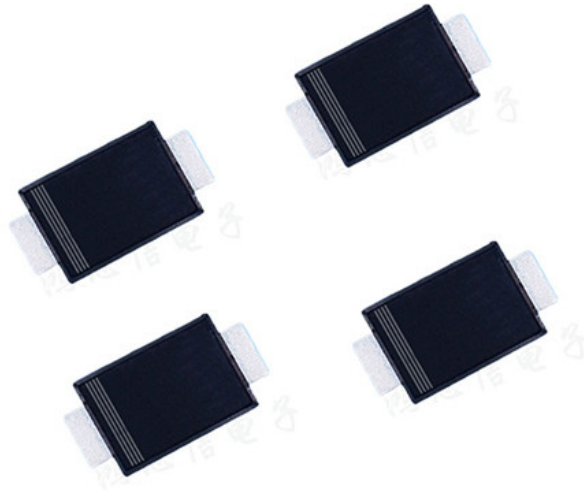
A: The brand name is SOCAY.

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

A: The model number is SBD302D1.


Q: Where is this Schottky Barrier Diode manufactured?

A: It is manufactured in Shenzhen, China.  
Q: Does this Schottky Barrier Diode have any certifications?  
A: Yes, 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 3000PCS/REEL.  
Q: How is this Schottky Barrier Diode packaged?  
A: It is packaged in SOD-123FL.



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