

## Maximum RMS Voltage 70V SBD110D1 Low Voltage Rectifier Diode with 1A Average Rectified Current

Our Product Introduction

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### Basic Information

- Place of Origin: Shenzhen, China
- Brand Name: Socay
- Certification: REACH, RoHS, ISO
- Model Number: SBD110D1
- Minimum Order Quantity: 3000 PCS/REEL
- Packaging Details: per 7" plastic Reel



### Product Specification

- Maximum DC Blocking Voltage: 100V
- Maximum Forward Voltage At  $I_F=1A$ : 0.8V
- Maximum RMS Voltage: 70V
- Maximum Repetitive Peak Reverse Voltage: 100V
- Typical Junction Capacitance Rating At  $V_R=0V$ : 100pF
- Reverse Leakage Current At  $V_{RRM}$ : 30 $\mu A$
- Operating Junction Temperature And Storage Temperature: -55 To +150

## Product Description

### Product Description:

The Schottky Barrier Diode has a maximum repetitive peak reverse voltage of 100V and an average rectified current of 1A, making it ideal for use in bridge rectifier diode applications. Additionally, the diode has a reverse leakage current of 30 $\mu$ A at VRRM, which ensures that it is highly efficient in its operation.

The typical junction capacitance rating at VR=0V for the Schottky Barrier Diode is 100pF. This rating ensures that the diode has a high level of performance and that it is able to handle a wide range of applications.

The Schottky Barrier Diode is a highly reliable and efficient component that is ideal for use in a wide range of applications. Whether you are looking for a diode for use in bridge rectifier diode applications or you need a diode that can handle high forward surge currents, the Schottky Barrier Diode is the perfect choice.

### Features:

Product Name: Schottky Barrier Diode

Maximum DC Blocking Voltage: 100V

Maximum Repetitive Peak Reverse Voltage: 100V

Average Rectified Current: 1A

Reverse Leakage Current at VRRM: 30 $\mu$ A

Maximum RMS Voltage: 70V

This Schottky Barrier Diode is an electronic component diode that can be used as a diode triode transistor or in a bridge rectifier diode circuit.

### Technical Parameters:

Parameter	Value
Electronic Component Diode Type	Schottky Barrier Diode
Maximum DC Blocking Voltage	100V
Maximum Repetitive Peak Reverse Voltage	70V
Maximum RMS Voltage	14V
Maximum Forward Voltage at IF=1A	0.8V
Average Rectified Current	1A
Reverse Leakage Current at VRRM	30 $\mu$ A
Typical Junction Capacitance Rating at VR=0V	100pF
Operating Junction Temperature Range	-55 To +150
Storage Temperature Range	-55 To +150

This Schottky Barrier Diode is an Electrostatic Diode, which is a type of Diode Triode Transistor.

### Applications:

The SBD110D1 diode is ideal for use in electrostatic discharge (ESD) protection circuits, voltage clamping circuits, and power rectification circuits. Its low reverse leakage current at VRRM of 30 $\mu$ A makes it an ideal choice for energy-saving applications. The typical junction capacitance rating at VR=0V of 100pF also makes it suitable for use in high-frequency circuits.

The SBD110D1 diode can operate within a wide temperature range of -55 to +150 , making it suitable for use in harsh environments. It has a maximum repetitive peak reverse voltage of 100V and a maximum RMS voltage of 70V, making it suitable for use in a variety of power supply circuits.

The SBD110D1 diode is available for purchase in a minimum order quantity of 3000PCS/REEL, and is packaged per 7" plastic reel. This electronic component diode is a reliable and cost-effective choice for various applications, including but not limited to: automotive electronics, communication equipment, and consumer electronics.

### Customization:

The SBD110D1 has a Maximum Repetitive Peak Reverse Voltage of 100V and a Maximum RMS Voltage of 70V. It also has an Average Rectified Current of 1A and a typical Junction Capacitance Rating at VR=0V of 100pF. The Operating Junction Temperature and Storage Temperature Range is -55 To +150 , making it suitable for a wide range of applications.

The minimum order quantity for our Schottky Barrier Diode is 3000PCS/REEL, and it is packaged per 7" plastic Reel.

Trust Socay to provide you with a high-quality Electrostatic Diode that meets your unique specifications and requirements.

### 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 SBD110D1.

Q: Where is the Schottky Barrier Diode manufactured?

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

Q: What certifications does the Schottky Barrier Diode have?

A: The Schottky Barrier Diode has REACH, RoHS, and ISO certifications.

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

A: The minimum order quantity for the Schottky Barrier Diode is 3000PCS/REEL.


Q: How is the Schottky Barrier Diode packaged?

A: The Schottky Barrier Diode is packaged per 7" plastic 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