

## SBD204D1 Schottky Barrier Diode for Medical Devices Maximum Repetitive Peak Reverse Voltage 40V

Our Product Introduction

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### Basic Information

- Place of Origin: Shenzhen, China
- Brand Name: Socay
- Certification: REACH, RoHS, ISO
- Model Number: SBD204D1
- Minimum Order Quantity: 3000PCS/REEL
- Packaging Details: per 7" plastic Reel



### Product Specification

- Maximum Repetitive Peak Reverse Voltage: 40V
- Maximum DC Blocking Voltage: 40V
- Maximum RMS Voltage: 28V
- Average Rectified Current: 2A
- Operating Junction Temperature And Storage Temperature Range: -55 To +125
- Maximum Forward Voltage At IF=1A: 0.55V

## Product Description

### Product Description:

Our Schottky Barrier Diode also features a reverse leakage current at VRRM of only 30 $\mu$ A, ensuring efficient performance. With an operating junction temperature and storage temperature range of -55 To +125 , this diode can withstand a wide range of temperatures and environments.

Additionally, this diode has a maximum RMS voltage of 28V, making it suitable for a variety of applications. Whether you need a high forward surge current semiconductor or a reliable low voltage rectifier diode, our Schottky Barrier Diode is the perfect choice.

### Features:

Product Name: Schottky Barrier Diode

Average Rectified Current: 1A

Maximum Forward Voltage at IF=1A: 0.55V

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

Maximum Repetitive Peak Reverse Voltage: 40V

Maximum DC Blocking Voltage: 40V

This product is a Schottky Barrier Diode, a type of semiconductor device that functions as a high forward surge current rectifier. It is a surface mount diode that belongs to the family of Schottky Barrier Rectifiers.

### Technical Parameters:

Technical Parameter	Value
Electronic Component Diode Type	Schottky Barrier Diode
Reverse Leakage Current at VRRM	0.5mA
Maximum DC Blocking Voltage	40V
Maximum Forward Voltage at IF=1A	0.55V
Average Rectified Current	1A
Maximum RMS Voltage	28V
Operating Junction Temperature and Storage Temperature Range	-55 To +150
Maximum Repetitive Peak Reverse Voltage	40V
Surface mounted Diode	Yes
High forward surge current Semiconductor	Not specified

### Applications:

The SBD204D1 Schottky Barrier Diode is manufactured in Shenzhen, China and is certified to be compliant with REACH, RoHS, and ISO standards. It is available for purchase in minimum order quantities of 3000 pieces per 7" plastic reel.

The typical junction capacitance rating for this diode at VR=0V is 155pF. Additionally, the maximum forward voltage at IF=1A is 0.55V, making it highly efficient. The reverse leakage current at VRRM is only 30 $\mu$ A, which ensures that the diode operates at a low power level. The Socay SBD204D1 Schottky Barrier Diode can be used in various product application occasions and scenarios, such as in electronic systems, rectification circuits, power supplies, voltage regulation circuits, and more. It can also be used in solar panels as a bypass diode to prevent damage to the panels.

Overall, the Socay SBD204D1 Schottky Barrier Diode is a reliable and efficient low voltage rectifier diode that can be used in a wide range of applications. With its high forward surge current and low power consumption, it is an excellent choice for electronic engineers and hobbyists alike.

### Customization:

Choose from our wide range of customization services to personalize your Schottky Barrier Diodes. Our experienced team can help you with various customization options such as lead forming, adding diode triode transistor, and more. Get in touch with us today to learn more about our product customization services.

### FAQ:

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

A: The brand name of this Schottky Barrier Diode is Socay.

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

A: The model number of this Schottky Barrier Diode is SBD204D1.

Q: Where is this Schottky Barrier Diode manufactured?

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

Q: What are the certifications for this Schottky Barrier Diode?

A: This Schottky Barrier Diode is certified by REACH, RoHS, and ISO.

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

A: The minimum order quantity for this Schottky Barrier Diode is 3000PCS per reel.

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

A: This Schottky Barrier Diode is packaged on 7" plastic reels.



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