

## Low Reverse Leakage Current Schottky Barrier Rectifiers SBD206D1 for Applications

Our Product Introduction

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### Basic Information

- Place of Origin: Shenzhen, China
- Brand Name: Socay
- Certification: REACH, RoHS, ISO
- Model Number: SBD206D1
- Minimum Order Quantity: 3000 PCS/REEL
- Packaging Details: per 7" plastic Reel



### Product Specification

- Maximum RMS Voltage: 42V
- Maximum Forward Voltage At  $I_F=1A$ : 0.7V
- Maximum Repetitive Peak Reverse Voltage: 60V
- Average Rectified Current: 1A
- Maximum DC Blocking Voltage: 60V
- Operating Junction Temperature And Storage Temperature Range: -55 To +125

## Product Description

### Product Description:

Our Schottky Barrier Diode has a maximum repetitive peak reverse voltage of 60V, ensuring superior performance and reliability even under high voltage conditions. It also has a maximum forward voltage of 0.7V at  $I_F=1A$ , allowing for low power consumption and reduced heat dissipation.

Moreover, this diode has a reverse leakage current of only 30 $\mu A$  at VRRM, which means it has a lower reverse current flow compared to other diodes. This feature ensures better efficiency and longer lifespan of the equipment it is used in.

Our Schottky Barrier Diode also has a typical junction capacitance rating at  $V_R=0V$  of 155pF. This indicates the diode's ability to store and release charge, making it suitable for applications that require high-frequency switching.

With an operating junction temperature and storage temperature range of -55 to +125 , it can withstand extreme temperatures and harsh environments, making it a reliable choice for demanding applications.

Overall, our Schottky Barrier Diode is a top-quality diode triode transistor that offers superior performance, efficiency, and reliability, making it ideal for a wide range of electronic applications.

### Features:

Product Name: Schottky Barrier Diode

Typical Junction Capacitance Rating at  $V_R=0V$ : 155pF

Operating Junction Temperature and Storage Temperature Range: -55 To +150

Maximum Repetitive Peak Reverse Voltage: 60V

Maximum RMS Voltage: 42V

Reverse Leakage Current at VRRM: 0.5mA

Keywords: Bridge Rectifier Diode, Diodes, Bridge Rectifier Diode

### Technical Parameters:

Technical Parameter	Value
Operating Junction Temperature and Storage Temperature Range	-55 To +125
Maximum DC Blocking Voltage	60V
Maximum Repetitive Peak Reverse Voltage	60V
Maximum RMS Voltage	42V
Reverse Leakage Current at VRRM	0.5mA
Average Rectified Current	1A
Maximum Forward Voltage at $I_F=1A$	0.7V

This surface mounted diode is an electronic component diode with a high forward surge current semiconductor.

### Applications:

The SBD206D1 is a Schottky Barrier Rectifier that is made in Shenzhen, China, and has the necessary certifications such as REACH, RoHS, and ISO. The minimum order quantity is 3000PCS/REEL, and the packaging details are per 7" plastic Reel.

With a maximum DC blocking voltage of 20V, the SBD206D1 is ideal for use in bridge rectifier diodes. It has an average rectified current of 1A and a reverse leakage current at VRRM of 30 $\mu A$ , making it suitable for low-current applications.

The SBD206D1 operates within a wide temperature range from -55 to +125 , making it suitable for use in harsh environments.

One of the most significant advantages of the SBD206D1 is its low forward voltage drop, which makes it highly efficient. The maximum forward voltage at  $I_F=1A$  is 0.7V.

Overall, the Socay SBD206D1 Schottky Barrier Diode is a reliable and efficient component that is widely used in various applications. Its excellent characteristics, including its low forward voltage drop, low reverse leakage current, and wide temperature range, make it an excellent choice for designers and engineers looking for high-performance Schottky Barrier Rectifiers.

### Customization:

The minimum order quantity for this product is 3000PCS/REEL, with packaging details of per 7" plastic reel. The maximum RMS voltage is 14V, with an average rectified current of 1A and a maximum DC blocking voltage of 60V.

Other specifications include a reverse leakage current at VRRM of 0.5mA and a maximum forward voltage at  $I_F=1A$  of 0.7V. Trust us to provide you with exceptional customization services for your Schottky Barrier Rectifiers.

Our product customization services cover Surface mounted Diode, Schottky Barrier Rectifiers, Diode Triode Transistor and more. Contact us today to get started!

### 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 Socay Schottky Barrier Diode?

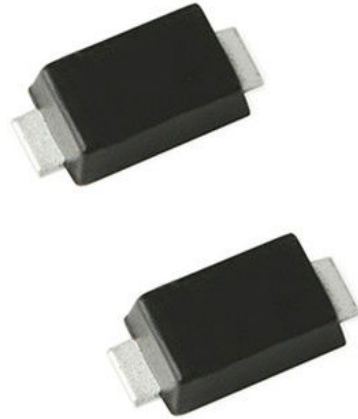
A: The model number of the Socay Schottky Barrier Diode is SBD206D1.

Q: Where is the Socay Schottky Barrier Diode manufactured?

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

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

A: The Socay Schottky Barrier Diode has REACH, RoHS, and ISO certifications.  
Q: What is the minimum order quantity for the Socay Schottky Barrier Diode?  
A: The minimum order quantity for the Socay Schottky Barrier Diode is 3000PCS/REEL.  
Q: How is the Socay Schottky Barrier Diode packaged?  
A: The Socay Schottky Barrier Diode is packaged per 7" plastic reel.



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