



## SOD-123FL Efficiency 200V Schottky Barrier Diode with Low Forward Voltage Drop

Our Product Introduction

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### Basic Information

- Place of Origin: GUANGDONG, China
- Brand Name: Socay
- Certification: RoHS
- Model Number: SBD220D1
- Minimum Order Quantity: 3000PCS
- Price: Negotiable
- Packaging Details: Tape & Reel
- Payment Terms: L/C, D/A, D/P, T/T, Western Union, MoneyGram



### Product Specification

- Ifsm: 50A
- Maximum RMS Voltage: 140V
- Thermal Resistance: 85 /W
- Operating Temperature: -50-+125°C
- Spq: 3000pcs
- Maximum Forward Voltage At IF=2A: 0.70V
- Storage Temperature Range: -50-+150°C
- Vdc: 200V
- Highlight: **SOD-123FL Schottky Barrier Diode, 200V Schottky Barrier Diode**

## Product Description

### Product Description:

The Schottky Barrier Rectifier has a thermal resistance of 85 /W, making it suitable for use in high-temperature environments. This feature also ensures that the device does not overheat during operation, thereby improving its reliability. The device can handle a maximum average forward rectified current of 2.0A, making it suitable for use in a wide range of applications.

The maximum forward voltage at IF=2A for the Schottky Barrier Rectifier is 0.95V, which is a critical parameter that determines the device's efficiency. With this low forward voltage, the diode consumes less power and generates less heat, making it an energy-efficient solution for various applications.

Overall, the Schottky Barrier Rectifier is a reliable and efficient semiconductor device that can be used in various applications. It has a low forward voltage, high current handling capabilities, and a thermal resistance that ensures its reliable operation in high-temperature environments.

### Features:

Product Name: Schottky Barrier Diode

SPQ: 3000pcs

Ifsm: 50A

Vrrm: 200V

Operating Temperature: -50-+125°C

Storage Temperature Range: -50-+150°C

Surface mounted Diode

Electrostatic Diode

Electronic Component Diode

### Applications:

### Support and Services:

Our Schottky Barrier Diode product line offers high efficiency and low forward voltage drop for various applications such as power supplies, voltage regulators, and inverters. We provide technical support and services to assist with product selection, design, and troubleshooting. Our team of experts can help with custom solutions and offer design-in assistance to optimize performance and reliability. We also offer testing and validation services to ensure compliance with industry standards and specifications. Contact us for more information on our Schottky Barrier Diode products and technical support and services.

### FAQ:

Q: What is the maximum forward voltage of Socay SBD220D1 Schottky Barrier Diode?

A: The maximum forward voltage of Socay SBD220D1 Schottky Barrier Diode is 0.95V.

Q: What is the maximum reverse voltage of Socay SBD220D1 Schottky Barrier Diode?

A: The maximum reverse voltage of Socay SBD220D1 Schottky Barrier Diode is 200V.

Q: What is the maximum forward current of Socay SBD220D1 Schottky Barrier Diode?

A: The maximum forward current of Socay SBD220D1 Schottky Barrier Diode is 2A.

Q: What is the operating temperature range of Socay SBD220D1 Schottky Barrier Diode?

A: The operating temperature range of Socay SBD220D1 Schottky Barrier Diode is from -55°C to 125°C.

Q: What is the country of origin of Socay SBD220D1 Schottky Barrier Diode?

A: Socay SBD220D1 Schottky Barrier Diode is made in GUANGDONG, China.



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