

SBD303D1 21V Schottky Barrier Diode 50A Peak Surge Current 3A 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: SBD303D1
- Minimum Order Quantity: 3000PCS/REEL
- Packaging Details: SOD-123FL



Product Specification

- Maximum Repetitive Peak Reverse Voltage: 30V
- Package: SOD-123FL
- Maximum RMS Voltage: 21V
- Maximum DC Blocking Voltage: 30V
- Peak Forward Surge Current: 50A
- Average Rectified Current At $T_A=75^\circ\text{C}$: 3A
- Operating Junction Temperature Range: -50°C To $+150^\circ\text{C}$
- Storage Temperature Range: -50°C To $+150^\circ\text{C}$

Product Description

Product Description:

The Schottky Barrier Diode comes with a maximum DC blocking voltage of 30V and a maximum RMS voltage of 21V. This makes it ideal for use in a variety of electronic circuits that require low voltage drop and high current density. The diode's package is SOD-123FL, which is a small, surface mount package that is easy to install and remove. The package size is optimized to provide the highest level of thermal performance, and it can be used in a variety of electronic applications.

Our Schottky Barrier Diode is built to last, with a storage temperature range of -50 to +150 . This means that the diode can withstand extreme temperatures without compromising its performance or quality. So, whether you are working in a high-temperature environment or a low-temperature setting, you can rest assured that our Schottky Barrier Diode will perform to the highest standards.

The diode can also handle a peak forward surge current of 50A. This means that it can handle high current surges without getting damaged. This makes it an excellent choice for use in electronic devices that require high current density and reliability.

In conclusion, if you are looking for a reliable and efficient Schottky Barrier Diode for your electronic component inventory, look no further than our Schottky Barrier Diode. With its high-quality construction, low voltage drop, and high current density, this diode is perfect for use in a wide range of electronic devices. So, go ahead and place your order today!

Features:

Product Name: Schottky Barrier Diode

Peak Forward Surge Current: 50A

Storage Temperature Range: -50 To +150

Package: SOD-123FL

Average Rectified Current at TA=75 : 3A

Maximum Repetitive Peak Reverse Voltage: 30V

This Schottky Barrier Diode is an essential Diode Electronic Component for various applications. With a Peak Forward Surge Current of 50A and an Average Rectified Current at TA=75 of 3A, it is suitable for use as a Bridge Rectifier Diode or a Diode Triode Transistor. Its maximum Repetitive Peak Reverse Voltage of 20V and Storage Temperature Range of -50 To +150 make it reliable and efficient for use in different electronic circuits. The Package type of this Schottky Barrier Diode is SOD-123FL, which is compact and easy to install.

Technical Parameters:

Product Attribute	Value
Diode Electronic Component	Surface Mount Schottky Barrier Rectifiers
Storage Temperature Range	-50 To +150
Maximum DC Blocking Voltage	30V
Maximum RMS Voltage	21V
Peak Forward Surge Current	50A
Maximum Repetitive Peak Reverse Voltage	30V
Operating Junction Temperature Range	-50 To +150
Average Rectified Current at TA=75	3A
Package	SOD-123FL

Applications:

The SBD303D1 is a highly versatile electronic component diode that can be used in a wide range of applications. Its maximum DC blocking voltage of 30V and peak forward surge current of 50A make it ideal for use in power supplies and voltage regulators. Additionally, its maximum RMS voltage of 21V and average rectified current of 3A at TA=75 make it suitable for use in rectifiers and other applications where a high level of precision is required.

The SBD303D1 comes packaged in a SOD-123FL package, which is ideal for automated manufacturing processes and helps to reduce production costs. Additionally, the minimum order quantity of 3000PCS/reel ensures that customers can order the exact quantity of components they need, without having to worry about excess inventory.

Overall, SOCAY's SBD303D1 is an excellent choice for anyone looking for a high-quality, reliable Schottky Barrier Diode electronic component. Its versatility and precision make it ideal for a wide range of applications, from power supplies to voltage regulators and beyond. So why wait? Contact SOCAY today to learn more about the SBD303D1 and how it can help you achieve your goals.

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 SBD303D1.

Q: Where is this product manufactured?

A: This product is manufactured in Shenzhen, China.

Q: What certifications does the Schottky Barrier Diode have?

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

Q: What is the minimum order quantity for this product?

A: The minimum order quantity for this product is 3000PCS/REEL.

Q: What is the packaging of the Schottky Barrier Diode?

A: The packaging of the Schottky Barrier Diode is SOD-123FL.



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