



30VDC Schottky Barrier Diode SS33B With 21V RMS Voltage 0.5V Forward Voltage 80A Peak Forward Surge Current

Our Product Introduction

Basic Information

- Place of Origin: Shenzhen, China
- Brand Name: SOCAY
- Certification: REACH, RoHS, ISO
- Model Number: SS33B
- Minimum Order Quantity: 3000PCS/REEL
- Packaging Details: DO-214AA(SMB)



Product Specification

- Maximum RMS Voltage: 21V
- Maximum Forward Voltage: 0.5V
- Maximum Repetitive Peak Reverse Voltage: 30V
- Package: DO-214AA(SMB)
- Maximum DC Blocking Voltage: 30V
- Peak Forward Surge Current: 80A
- Operating Junction Temperature Range: -55 To +125
- Maximum Average Forward Current: 3A

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Product Description

Product Description:

With a maximum DC blocking voltage of 30V and a maximum repetitive peak reverse voltage of 30V, this Schottky Barrier Diode is suitable for use in low voltage applications. It also has a maximum average forward current of 3A, making it capable of handling moderate power loads with ease.

One of the key features of this Schottky Barrier Diode is its wide operating junction temperature range of -55 to +125 , ensuring reliable performance even in harsh environmental conditions. This makes it suitable for use in a variety of industrial and automotive applications where temperature fluctuations are common.

In addition, this diode has a maximum forward voltage of only 0.5V, which means it can help reduce power losses and improve overall efficiency in your electronic circuits. This makes it ideal for use in power supply circuits, voltage regulators, and other applications where minimizing power consumption is a priority.

Overall, our Schottky Barrier Diode is a high-quality and reliable electronic component that is perfect for use in a wide range of electronic applications. With its low forward voltage drop, high current rating, and wide operating temperature range, it is an excellent choice for anyone in need of a high-performance diode for their electronic circuits.

Features:

Electronic Component Diode: Schottky Barrier Diode

Surface mounted Diode: DO-214AA(SMB) package

Maximum Forward Voltage: 0.5V

Maximum DC Blocking Voltage: 30V

Peak Forward Surge Current: 80A

Maximum Repetitive Peak Reverse Voltage: 30V

Diode Triode Transistor: Schottky Barrier Diode

Technical Parameters:

Diode Electronic Component	Technical Parameters
Maximum DC Blocking Voltage	30V
Maximum Repetitive Peak Reverse Voltage	30V
Operating Junction Temperature Range	-55 To +125
Maximum Average Forward Current	3A
Package	DO-214AA(SMB)
Maximum Forward Voltage	0.5V
Peak Forward Surge Current	80A
Maximum RMS Voltage	21V

Applications:

SOCAY SS33B Schottky Barrier Diode is a surface mount type diode that is widely used in various electronic devices and circuits. Its low forward voltage drop and fast switching speed make it ideal for applications where efficiency and speed are important. Here are some of the product application occasions and scenarios:

Power Supply Units

SOCAY SS33B Schottky Barrier Diode can be used as a bridge rectifier diode in power supply units. It can efficiently convert AC voltage to DC voltage and regulate the output voltage of the power supply. This makes it ideal for use in electronic devices such as laptops, televisions, and mobile phones.

Solar Power Systems

SOCAY SS33B Schottky Barrier Diode can be used in solar power systems to prevent reverse current flow and protect the solar panels from damage. It can also be used to regulate the voltage of the solar panels and prevent overcharging of the batteries. Its high efficiency and low power loss make it ideal for use in solar power systems.

Automotive Electronics

SOCAY SS33B Schottky Barrier Diode can be used in automotive electronics such as car radios, GPS systems, and electronic control units. Its fast switching speed and low forward voltage drop make it ideal for use in high-frequency circuits and applications that require fast response times.

Industrial Electronics

SOCAY SS33B Schottky Barrier Diode can be used in various industrial electronics applications such as motor control, power inverters, and welding machines. Its high surge current rating and wide operating temperature range make it ideal for use in harsh environments and applications that require high reliability.

Conclusion

SOCAY SS33B Schottky Barrier Diode is a versatile and reliable product that can be used in a variety of electronic devices and circuits. Its certifications including REACH, RoHS, and ISO ensure that it meets international standards for environmental protection and quality. Its packaging details in DO-214AA(SMB) make it easy to handle and store. The minimum order quantity of 3000PCS/REEL is also convenient for bulk purchases. Overall, SOCAY SS33B Schottky Barrier Diode is an excellent choice for any application that requires high efficiency, reliability, and speed.

Customization:

We offer Diode Triode Transistor customization services for a minimum order quantity of 3000PCS/REEL. Our customization services ensure that our diodes meet your specific requirements and needs. Whether you require high forward surge current Semiconductor or other specific attributes, we can customize our diodes to meet your needs.

FAQ:

Q1: What is the brand name of this Schottky Barrier Diode?

A1: The brand name of this Schottky Barrier Diode is SOCAY.

Q2: What is the model number of this Schottky Barrier Diode?

A2: The model number of this Schottky Barrier Diode is SS33B.

Q3: Where is this Schottky Barrier Diode manufactured?

A3: This Schottky Barrier Diode is manufactured in Shenzhen, China.

Q4: What certifications does this Schottky Barrier Diode have?

A4: This Schottky Barrier Diode has the following certifications: REACH, RoHS, and ISO.

Q5: What is the minimum order quantity and packaging details of this Schottky Barrier Diode?

A5: The minimum order quantity of this Schottky Barrier Diode is 3000PCS/REEL and it is packaged in DO-214AA(SMB).



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