

Socay Surface Mount Schottky Barrier Rectifiers SS210B Maximum DC Blocking Voltage 100V

Our Product Introduction

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Basic Information

- Place of Origin: Shenzhen, China
- Brand Name: SOCAY
- Certification: REACH, RoHS, ISO
- Model Number: SS210B
- Minimum Order Quantity: 3000PCS/REEL
- Packaging Details: DO-214AA(SMB)



Product Specification

- Maximum Repetitive Peak Reverse Voltage: 100V
- Maximum DC Blocking Voltage: 100V
- Operating Junction Temperature Range: -55 To +175
- Peak Forward Surge Current: 50A
- Maximum Forward Voltage: 0.8V
- Maximum Average Forward Current: 2A
- Maximum RMS Voltage: 70V
- Package: DO-214AA(SMB)

Product Description

Product Description:

The Schottky Barrier Diode has a maximum forward voltage of 0.8V, making it highly efficient and reducing power loss. This makes it an ideal choice for applications that require high efficiency and low power loss. The diode has an operating junction temperature range of -55 to +175 , which makes it suitable for use in a wide range of environments.

The Schottky Barrier Diode has a maximum average forward current of 2A, making it suitable for applications that require high current.

The diode is designed to handle high frequency signals, making it ideal for use in high-frequency applications.

The Schottky Barrier Diode is a type of Schottky Barrier Rectifier. The Schottky Barrier Rectifier is a type of diode that is designed to provide high efficiency and low power loss. The Schottky Barrier Rectifier is designed to be used in applications that require high frequency and high efficiency.

In summary, the Schottky Barrier Diode is a low voltage rectifier diode that is highly efficient and suitable for use in high-frequency applications. It is a surface mounted diode that has a maximum DC blocking voltage of 100V and a maximum repetitive peak reverse voltage of 100V. The diode has a maximum forward voltage of 0.8V and an operating junction temperature range of -55 to +175 . The diode has a maximum average forward current of 2A, making it suitable for applications that require high current. It is a type of Schottky Barrier Rectifier that is designed to provide high efficiency and low power loss.

Features:

Product Name: Schottky Barrier Diode

Package: DO-214AA(SMB)

Peak Forward Surge Current: 50A

Maximum Forward Voltage: 0.8V

Maximum RMS Voltage: 70V

Operating Junction Temperature Range: -55 To +175

Product Type: Diodes

Also known as: Electrostatic Diode, Bridge Rectifier Diode

Technical Parameters:

Technical Parameter	Value
Product Type	Schottky Barrier Diode
Operating Junction Temperature Range	-55 To +175
Maximum RMS Voltage	56V
Peak Forward Surge Current	50A
Maximum Repetitive Peak Reverse Voltage	100V
Package	DO-214AA(SMB)
Maximum DC Blocking Voltage	100V
Maximum Average Forward Current	2A
Maximum Forward Voltage	0.8V
Product Features	High forward surge current, Semiconductor, Surface mounted diode, Bridge rectifier diode

Applications:

The SS210B Schottky Barrier Diode is commonly used in bridge rectifier diode circuits, where it performs the function of converting AC voltage to DC voltage by blocking the flow of current in one direction and allowing it to flow in the other direction. This makes it an essential component in power supplies, inverters, and other electronic devices that require a stable DC voltage output.

Thanks to its high peak forward surge current rating of 50A and maximum repetitive peak reverse voltage of 100V, the SS210B Schottky Barrier Diode is well-suited for use in high-power applications. It can operate in a wide range of temperatures from -55 to +175 , making it highly durable and reliable in harsh environments.

The SS210B Schottky Barrier Diode is certified by REACH, RoHS, and ISO, ensuring that it meets high standards of quality, safety, and environmental protection. It is available in DO-214AA(SMB) packaging and has a minimum order quantity of 3000PCS/REEL.

Overall, the SS210B Schottky Barrier Diode is a versatile and reliable component that is suitable for a wide range of product application occasions and scenarios. Whether you are designing a power supply, an inverter, or any other electronic device that requires a low voltage rectifier diode, the SS210B is an excellent choice that will deliver optimal performance and durability.

FAQ:

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

A: The brand name is SOCAY.

Q: What is the model number of this Schottky Barrier Diode?
A: The model number is SS210B.
Q: Where is this Schottky Barrier Diode manufactured?
A: This Schottky Barrier Diode is manufactured in Shenzhen, China.
Q: What certifications does this Schottky Barrier Diode have?
A: This Schottky Barrier Diode has REACH, RoHS, and ISO certifications.
Q: What is the minimum order quantity for this Schottky Barrier Diode?
A: The minimum order quantity is 3000PCS/REEL.
Q: What is the packaging detail for this Schottky Barrier Diode?
A: The packaging detail is DO-214AA(SMB).



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