

SBD215D1 Maximum RMS Voltage of 105V High Forward Surge Current Semiconductor

Our Product Introduction

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Basic Information

- Place of Origin: Shenzhen, China
- Brand Name: Socay
- Certification: REACH, RoHS, ISO
- Model Number: SBD215D1
- Minimum Order Quantity: 3000PCS/REEL
- Packaging Details: per 7" plastic Reel



Product Specification

- Operating Junction Temperature And Storage Temperature Range: -55 To +125
- Maximum Repetitive Peak Reverse Voltage: 150V
- Average Rectified Current: 2A
- Maximum Forward Voltage At IF=1A: 0.95V
- Maximum DC Blocking Voltage: 150V
- Maximum RMS Voltage: 105V

Product Description

Product Description:

At $I_F=2A$, the maximum forward voltage of this Schottky Barrier Diode is only 0.95V, making it an excellent choice for low voltage applications. Additionally, the diode has a typical junction capacitance rating, which makes it ideal for use in circuits where low capacitance is critical.

The operating junction temperature and storage temperature range of the Schottky Barrier Diode is -55 to +125 . This wide range means that the diode can be used in a variety of environments and is capable of withstanding extreme temperatures.

Overall, the Schottky Barrier Diode is an excellent choice for anyone looking for a reliable and efficient diode for electronic applications.

Whether you are designing a circuit that requires a low forward voltage or you need a diode that can withstand extreme temperatures, this diode is sure to meet your needs.

Features:

Product Name: Schottky Barrier Diode

Maximum Repetitive Peak Reverse Voltage: 150V

Average Rectified Current: 2A

Maximum DC Blocking Voltage: 150V

Operating Junction Temperature and Storage Temperature Range: -55 To +125

Keywords: Low Voltage Rectifier Diode, Schottky Barrier Rectifiers, Surface mounted Diode

Technical Parameters:

| Parameter | Value |
|--|-------------|
| Maximum Repetitive Peak Reverse Voltage | 150V |
| Operating Junction Temperature and Storage Temperature Range | -55 To +125 |
| Maximum Forward Voltage at $I_F=1A$ | 0.95V |
| Maximum DC Blocking Voltage | 150V |
| Average Rectified Current | 2A |
| Maximum RMS Voltage | 105V |

Applications:

The SBD215D1 is a member of the Diode Triode Transistor family and is manufactured in Shenzhen, China. It has been certified by REACH, RoHS, and ISO, ensuring that it meets international standards for environmental protection and quality management. The minimum order quantity for this product is 3000PCS/REEL, and it is shipped per 7" plastic reel to ensure safe transportation and storage. With a maximum RMS voltage of 105V and a maximum forward voltage at $I_F=2A$ of 0.95V, the SBD215D1 is suitable for a wide range of applications. Its typical junction capacitance rating, making it ideal for applications that require high frequency and low noise. The maximum repetitive peak reverse voltage of 150V ensures that the device is protected against voltage spikes and surges.

The operating junction temperature and storage temperature range of the SBD215D1 is -55 To +125 , which means that it can be used in harsh environments. It is commonly used in power supplies, voltage regulators, and other electronic circuits that require rectification.

In summary, the Socay SBD215D1 is a high-quality Schottky Barrier Diode that is suitable for a wide range of applications. Its low forward voltage drop, fast switching speed, and high-frequency capabilities make it an ideal choice for high-speed switching applications. It is a reliable and cost-effective solution for electronic circuits that require rectification.

FAQ:



What is the brand name of this Schottky Barrier Diode?

Answer: The brand name of this Schottky Barrier Diode is Socay.

What is the model number of this Schottky Barrier Diode?

Answer: The model number of this Schottky Barrier Diode is SBD215D1.

Where is this Schottky Barrier Diode manufactured?

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

What certifications does this Schottky Barrier Diode have?

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

What is the minimum order quantity for this Schottky Barrier Diode?

Answer: The minimum order quantity for this Schottky Barrier Diode is 3000PCS/REEL.

What is the packaging format for this Schottky Barrier Diode?

Answer: This Schottky Barrier Diode is packaged per 7" plastic Reel.