

## 40V SMD Schottky Barrier Rectifiers SBD104D1 with Maximum Forward Voltage of 0.55V at IF 1A

### Basic Information

- Place of Origin: Shenzhen, China
- Brand Name: Socay
- Certification: REACH, RoHS, ISO
- Model Number: SBD104D1
- Minimum Order Quantity: 3000 PCS/REEL
- Packaging Details: per 7" plastic Reel



### Product Specification

- Maximum RMS Voltage: 14V
- Reverse Leakage Current At VRRM: 30μA
- Typical Junction Capacitance Rating At VR=0V: 155pF
- Average Rectified Current: 1A
- Maximum Forward Voltage At IF=1A: 0.55V
- Operating Junction Temperature And Storage Temperature Range: -55 To +150
- Maximum Repetitive: 20V

## Product Description

### Product Description:

With a maximum RMS voltage of 14V, our diodes offer superior voltage handling capabilities, ensuring reliable performance even in the most demanding environments. Additionally, our diodes have a maximum forward voltage at  $I_F=1A$  of 0.55V, providing excellent efficiency and reducing power loss.

Our Schottky Barrier Diodes also feature a maximum repetitive peak reverse voltage of 20V and a maximum DC blocking voltage of 20V, providing superior reverse voltage protection. This ensures that our diodes can handle even the most challenging reverse voltage scenarios, making them ideal for use in a wide range of applications.

Our diodes also feature a reverse leakage current at VRRM of only 30 $\mu A$ , ensuring reliable performance and minimal power loss. This makes them an ideal choice for high-performance applications where efficiency and reliability are critical.

In summary, our Schottky Barrier Rectifiers are the perfect solution for all your electrostatic diode needs. With superior voltage handling capabilities, efficient operation, and reliable performance, our diodes are an excellent choice for a wide range of applications.

### Features:

Product Name: Schottky Barrier Diode

Maximum Repetitive Peak Reverse Voltage: 20V

Maximum RMS Voltage: 14V

Maximum Forward Voltage at  $I_F=1A$ : 0.55V

Reverse Leakage Current at VRRM: 30 $\mu A$

Typical Junction Capacitance Rating at  $V_R=0V$ : 155pF

This product is a type of diode, which is a type of electronic component that falls under the category of Diode Triode Transistor.

### Technical Parameters:

Technical Parameter	Value
Operating Junction Temperature and Storage Temperature Range	-55 To +150
Maximum Repetitive Peak Reverse Voltage	20V
Maximum DC Blocking Voltage	20V
Typical Junction Capacitance Rating at $V_R=0V$	155pF
Average Rectified Current	1A
Maximum Forward Voltage at $I_F=1A$	0.55V
Maximum RMS Voltage	14V
Reverse Leakage Current at VRRM	30 $\mu A$

This is a table of technical parameters for an electrostatic diode, also known as a diode triode transistor.

### Applications:

With a minimum order quantity of 3000PCS/REEL, the Socay SBD104D1 Schottky Barrier Diode is available in per 7" plastic Reel packaging, making it easy to store and use in large quantities. This Diode Triode Transistor component has a Reverse Leakage Current at VRRM of 30 $\mu A$  and a Typical Junction Capacitance Rating at  $V_R=0V$  of 155pF, ensuring its high performance and efficiency.

The Socay SBD104D1 Schottky Barrier Diode has a Maximum Repetitive Peak Reverse Voltage of 20V and an Average Rectified Current of 1A, which makes it an ideal choice for use in a wide range of electronic applications. Whether it's in power supplies, battery chargers, or other electronics, this Schottky Barrier Rectifiers product is sure to provide reliable and consistent performance.

With a maximum DC Blocking Voltage of 20V, the Socay SBD104D1 Schottky Barrier Diode can be used in a variety of different scenarios, making it a versatile choice for electronics designers and manufacturers. Whether you're designing a new product or upgrading an existing one, this Schottky Barrier Rectifiers component is sure to meet your needs.

In conclusion, the Socay SBD104D1 Schottky Barrier Diode is a high-quality and reliable component that is perfect for a wide range of product application occasions and scenarios. Whether you're designing a new product or upgrading an existing one, this Diode Triode Transistor component is sure to provide the performance and efficiency you need. So why wait? Order your Socay SBD104D1 Schottky Barrier Diode today and experience the benefits for yourself!

### Customization:

Brand Name: Socay

Model Number: SBD104D1

Place of Origin: Shenzhen.China

Certification: REACH,RoHS,ISO

Minimum Order Quantity: 3000PCS/REEL

Packaging Details: per 7" plastic Reel

Average Rectified Current: 1A

Maximum DC Blocking Voltage: 20V

Typical Junction Capacitance Rating at  $V_R=0V$ : 155pF

Reverse Leakage Current at VRRM: 30 $\mu A$

Operating Junction Temperature and Storage Temperature Range: -55 To +150

Surface Mount Schottky Barrier Rectifiers are essential components for various electronic devices. Our customization services for the SBD104D1 model from Socay offer a range of options to meet your specific needs. Whether you require specific certifications, packaging, or modified technical specifications, we can tailor the SBD104D1 to your requirements. Our product customization services cater to a variety of industries, including Diode Triode Transistor applications. Contact us today to discuss your customization needs!

**FAQ:**

1. What is the model number of the Schottky Barrier Diode product offered by Socay?  
A: The model number of the Schottky Barrier Diode product offered by Socay is SBD104D1.
2. Where is the place of origin for the Schottky Barrier Diode product offered by Socay?  
A: The place of origin for the Schottky Barrier Diode product offered by Socay is Shenzhen, China.
3. What certifications does the Schottky Barrier Diode product offered by Socay have?  
A: The Schottky Barrier Diode product offered by Socay has REACH, RoHS, and ISO certifications.
4. What is the minimum order quantity for the Schottky Barrier Diode product offered by Socay?  
A: The minimum order quantity for the Schottky Barrier Diode product offered by Socay is 3000PCS/REEL.
5. How is the Schottky Barrier Diode product offered by Socay packaged?  
A: The Schottky Barrier Diode product offered by Socay is packaged per 7" plastic reel.



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