

Very low capacitance bidirectional ESD protection diodes

Manufacturers	<u>NXP Semiconductor</u>
Package/Case	SOD-323
Product Type	Discrete Semiconductors
RoHS	
Lifecycle	



Images are for reference only

Please submit RFQ for PESD5V0V1BA or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

General Description

PESD5V0V1BA is a bidirectional ESD protection diode designed to protect sensitive electronics from electrostatic discharge (ESD) events. It is rated for a working voltage of 5.0V and has a low capacitance of 4.5pF, making it suitable for high-speed data lines and other sensitive circuits.

Features

Bidirectional protection: PESD5V0V1BA can protect against ESD events in both directions, making it suitable for use in circuits where the polarity of the signal is not fixed.

Low clamping voltage: PESD5V0V1BA has a low clamping voltage, which means that it can effectively protect against ESD events without causing damage to the protected circuit.

Fast response time: PESD5V0V1BA has a fast response time, which ensures that it can respond to ESD events quickly and effectively.

Application

High-speed data lines: PESD5V0V1BA is often used to protect high-speed data lines, such as USB, HDMI, and Ethernet, from ESD events.

Mobile devices: PESD5V0V1BA is commonly used in mobile devices, such as smartphones and tablets, to protect sensitive components from ESD events.

Industrial control systems: PESD5V0V1BA is often used in industrial control systems to protect sensitive electronics from ESD events.



Related Products



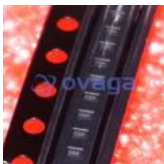
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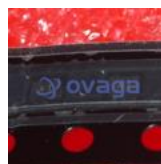
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