

ESD protection diodes in SOD 523 package

Manufacturers	NXP Semiconductor
Package/Case	SOD-52
Product Type	Discrete Semiconductors
RoHS	
Lifecycle	



Images are for reference only

Please submit RFQ for PESD5V0S1UB or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

General Description

PESD5V0S1UB is a type of surface-mount unidirectional ESD (electrostatic discharge) protection diode. Its main purpose is to protect sensitive electronic components from damage caused by electrostatic discharge events, such as those that can occur during handling or transportation of electronic devices.

Features

Low capacitance (typically less than 1 pF) to minimize signal distortion

Fast response time (less than 1 nanosecond) to quickly clamp voltage spikes

Small form factor (SOD-323 package) for easy integration into compact designs

RoHS compliant and halogen-free for environmental friendliness

Application

Mobile devices such as smartphones and tablets

Portable consumer electronics like digital cameras and MP3 players

Computer peripherals such as USB hubs and printers

Industrial and automotive applications where robust ESD protection is required



Related Products



[PESD15VL1BA](#)

NXP Semiconductor
SOT23



[PESD24VS1ULD](#)

NXP Semiconductor
SOD882



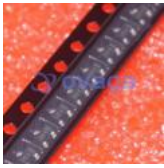
[PESD12VS1UB](#)

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SOD-523



[PESD3V3LAUG](#)

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[PESD12VL2BT](#)

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[PESD5V0L2BT](#)

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[PESD5V0L4UW](#)

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SOD-323