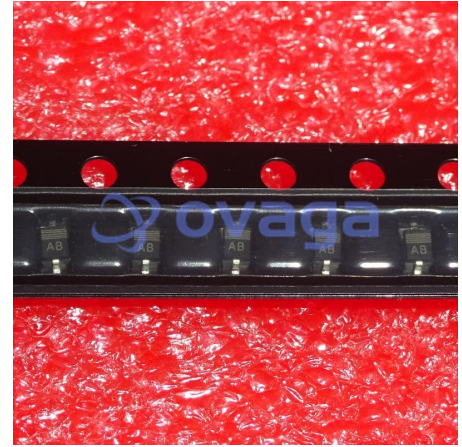


Low capacitance bidirectional ESD protection diodes in SOD323

Manufacturers	NXP Semiconductor
Package/Case	SOD323
Product Type	Diodes & Rectifiers
RoHS	
Lifecycle	



Images are for reference only

Please submit RFQ for PESD3V3L1BA or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

General Description

PESD3V3L1BA is a type of TVS (Transient Voltage Suppression) diode. It is designed to protect electronic circuits from transient voltage spikes and electrostatic discharge (ESD).

Features

Breakdown voltage of 3.3V

Low capacitance of 3pF

ESD protection up to $\pm 15\text{kV}$ (air discharge) and $\pm 8\text{kV}$ (contact discharge)

Low leakage current of $0.1\mu\text{A}$

Application

Protection of USB 2.0, HDMI, and other high-speed data lines

Protection of sensor inputs in automotive electronics

Protection of communication lines in industrial control systems



Related Products



[PESD5V0S1BB](#)

NXP Semiconductor
SOD523



[BAS86](#)

NXP Semiconductor
SOD-80



[PMEG6020ETR](#)

NXP Semiconductor
SOD123W



[BAW156](#)

NXP Semiconductor
SOT-323



[PMEG4030ETP](#)

NXP Semiconductor
40



[PMEG2005EJ](#)

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SOD323F



[PLVA659A](#)

NXP Semiconductor
SOT23



[PMEG4010EPK](#)

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SOD-1608