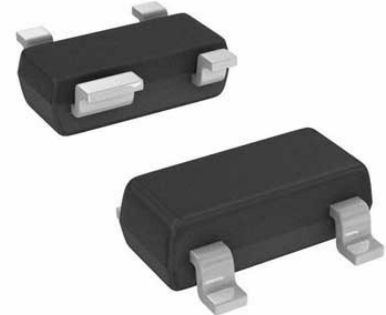


Quint Uni-Directional ESD Protection Array, 0.22W, 4-Pin SOT-143

Manufacturers	ON Semiconductor, LLC
Package/Case	SOT-143
Product Type	ESD Suppressors
RoHS	Green
Lifecycle	



Images are for reference only

Please submit RFQ for CM1293A-02SR or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

General Description

The CM1293A family of diode arrays has been designed to provide ESD protection for electronic components or subsystems requiring minimal capacitive loading. These devices are ideal for protecting systems with high data and clock rates or for circuits requiring low capacitive loading. Each ESD channel consists of a pair of diodes in series that steer the positive or negative ESD current pulse to either the positive (VP) or negative (VN) supply rail. A Zener diode is embedded between VP and VN which helps protect the VCC rail against ESD strikes. The CM1293A protects against ESD pulses up to $\pm 8\text{kV}$ contact discharge per the IEC 61000-4-2 Level 4 standard. This device is particularly well-suited for protecting systems using high-speed ports such as USB2.0, IEEE1394 (Firewire®, iLink™), Serial ATA, DVI, HDMI, and corresponding ports in removable storage, digital camcorders, DVD-RW drives and other applications where extremely low loading capacitance with ESD protection are required in a small package footprint. The CM1293A family of devices is available with RoHS-compliant, lead-free finishing.

Features

- Two and four channels of ESD protection up to $\pm 8\text{kV}$ contact discharge
- Low loading capacitance of 2.0pF max.
- Channel I/O to I/O capacitance 1.5pF typical
- Zener diode protects supply rail and eliminates the need for external by-pass capacitors

Application

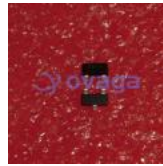
ONSEMI

Related Products



[CM1231-02SO](#)

ON Semiconductor, LLC
SOT23-6



[CM1213A-01SO](#)

ON Semiconductor, LLC
SOT-23-3



[CM1214A-01SO](#)

ON Semiconductor, LLC
SOT-23-3



[CM1213-02SO](#)

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SOT-23-5

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[CM1213-06SM](#)

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SC-74



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