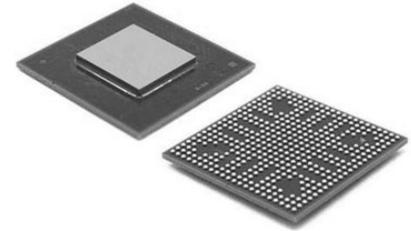


ESD PROTECTION ARRAY, 5.5V, WLCSP-4; Diode Type: ESD Protection; Clamping Voltage

| | |
|---------------|---------------------------------------|
| Manufacturers | ON Semiconductor, LLC |
| Package/Case | CSP-4 |
| Product Type | ESD Suppressors |
| RoHS | Green |
| Lifecycle | |



Images are for reference only

Please submit RFQ for CM1230-02CP or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.



General Description

The CM1230 is a family of 2, 4 and 8 channel, very low capacitance ESD protection diode arrays in a CSP form factor. It is ideal for protecting systems with high data and clock rates or for circuits that need low capacitive loading. Each channel consists of a pair of ESD diodes that act as clamp diodes to steer ESD current pulses to either the positive or negative supply rail. A zener diode is integrated between the positive and negative supply rails. The VCC rail is protected from ESD strikes and eliminates the need for a bypass capacitor to absorb positive ESD strikes to ground. Each channel can safely dissipate ESD strikes of $\pm 8\text{kV}$, meeting the Level 4 requirement of the IEC61000-4-2 international standard as well as $\pm 15\text{kV}$ air discharges per the IEC61000-4-2 specification.

Features

Two, four, and eight channels of ESD protection

Low loading capacitance of 0.8pF typical

Channel I/O to GND capacitance difference of 0.02pF typical is ideal for differential signals

Minimal capacitance change with temperature and voltage

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



[CM1213-08MR](#)

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MSOP-10



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SOIC-8



[CM1293A-02SR](#)

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SOT-143



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