

EMI Filters 8-CH EMI Filter for T-Flash/MicroSD

Manufacturers	ON Semiconductor, LLC
Package/Case	uDFN-16
Product Type	EMI/RFI Components
RoHS	Rohs
Lifecycle	



Images are for reference only

Please submit RFQ for CM1624-08DE or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

General Description

The CM1624 is a combination EMI filter and line termination device with integrated TVS diodes for use on Multimedia Card interfaces. This state-of-the-art device utilizes solid-state, silicon-avalanche technology for superior clamping performance and DC electrical characteristics. The CM1624 has been optimized for protection of T-Flash/MicroSD interfaces in cellular phones and other portable electronics. The CM1624 consists of six circuits that includes series impedance matching resistors and pull-up resistors as required by the SD specification. TVS diodes are included on each line for ESD protection. An additional TVS diode connection is included for protection of the voltage (Vcc) bus. Termination resistor value of 40 Ohm is provided on the SDData0, SDData1, SDData2, SDData3, CMD, and CLK lines. Pull-up resistors of 25k Ohm are included on the SDData0, SDData1, SDData2, SDData3 and CMD lines, as well. These may be configured for devices operating in SD or SPI mode. The TVS diodes provide effective suppression of ESD voltages in excess of 15kV (contact discharge) per IEC 61000-4-2, level 4. The CM1624 is in a 16-pin, RoHS/WEEE compliant, UDFN 16-pin package. It measures 3.30 x 1.35 x 0.50mm. The leads are spaced at a pitch of 0.4mm and are finished with lead-free NiPd.

Features

Application Specific

Mates perfectly with the most popular micro SD interfaces

Provides robust, fast-acting transient voltage suppression to protect ESD sensitive devices, higher than regulatory and carrier requirements of 8kV

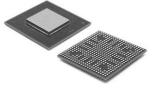
Significant attenuation of noise in the 700 MHz bands, broadband attenuation throughout the cellular bands

Critical for compliance for emerging protocols such as LTE and 4G

Application

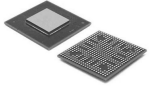
ONSEMI

Related Products



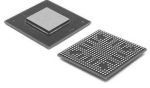
[CM1451-06CP](#)

ON Semiconductor, LLC
CSP15



[CM1457-08CP](#)

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CSP



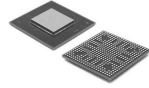
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[CM1457-04CP](#)

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WLCSP-10



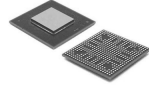
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ON Semiconductor, LLC
CSP-20



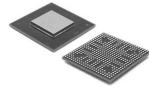
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WLCSP-15(567BR)



[CM1442-08CP](#)

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CSP-15