

## Excellent Integrated System Limited

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Enabling Energy Efficient Solutions

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## Product Overview

Created on: 11/24/2010

### CM1692: Praetorian® L-C 4-, 6- and 8-Channel EMI Filter Arrays with ESD Protection

For complete documentation, see the [data sheet](#)

#### Product Description

The CM1692 is a family of pi-style EMI filter arrays with ESD protection, which integrates four, six and eight filters (C-L-C) in small form factor uDFN 0.40mm pitch packages. Each EMI filter channel of the CM1692 is implemented as a 3-pole L-C filter.

#### Features

- Six or eight channels of EMI suppression with integrated ESD protection
- Robust, space saving TDFN package

#### Benefits

- Mates with most popular board to board connector interfaces
- Can be placed adjacent to connectors and board edges

#### Applications

- High Speed Parallel Interface lines, in 4, 6, or 8 channel configurations

#### End Products

- Cellular Phones, Smart Phones, Notebooks, Netbooks Personal

#### Selected Electrical Specifications

Symbol	Boundary	Value	Unit	Condition
C	typ	28.2	pF	at 2.5 V bias
I <sub>R</sub>	max	1	i <sub>L</sub> 1/2A	max
V <sub>(BR)</sub>	typ	6.8	V	nominal

#### Package Availability

Type	Pb-free	Standard
UDFN8, 1.7x1.35, 0.4P	✓	
UDFN16, 3.3x1.35, 0.4P	✓	
UDFN12, 2.5x1.35, 0.4P	✓	

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