



Praetorian[®] 4-Channel EMI Filter Array with ESD Protection

CM1453-04CP

Features

- Four channels of EMI filtering
- ±15kV ESD protection
- (IEC 61000-4-2, contact discharge)
- ±30kV ESD protection (HBM)
- Greater than -40dB of attenuation at 1GHz
- Chip Scale Package (CSP) with 0.40mm pitch and 0.25mm CSP solder ball which features extremely low parasitic inductance for optimum filter and ESD performance
- OptiGuard

Electrical Schematic

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Performance Information

Typical Filter Performance (nominal conditions unless specified otherwise, 50 Ohm Environment)

Sail log MAG	5 dR/BEE 0 dR	1 8338d8
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Figure 1. Insertion Loss VS. Frequency (CM1453-04: Filter 1)

0 dB 282 1 100 MAD 5 28/ F8F 2 08 31-,8864 88

Figure 2. Insertion Loss VS. Frequency (CM1453-04: Filter 2)

Performance Information (cont'd)

Typical Filter Performance (nominal conditions

Performance Information (cont'd)

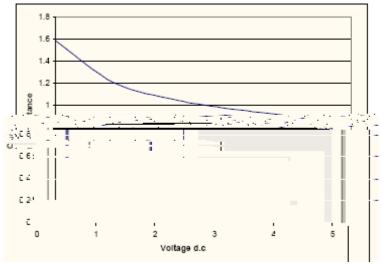


Figure 5. Typical Diode Capacitance vs. Input Voltage (normalized to 2.5V d.c)

Application Information

Refer to Application Note AP-217, "The Chip Scale Package", for a detailed description of Chip Scale Packages offered by California Micro Devices. See http://www.wlcspforum.org/documents/pdf/ap-217.pdf for download.

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