



Defence & Aerospace

Product Catalogue



emisglobal.com

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Military Grade Filters

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Military Grade Filters

Military standards are much more stringent when compared to commercial applications because of negligible room for error. Military Grade Filters are especially used for Point of Entry (POE) protection. They are broadly categorized as Power Line, Data Line and Signal Line Filters covering the power supply and telecommunication equipment in defence applications.



Common Mode Facility Filter – SMF911

Operating Voltage

277VAC/380VDC

Current Rating

Up to 3000A

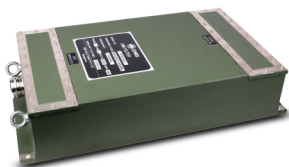
Operating Frequency

50/60Hz

Performance Indicator

Standard	High	Very High

Tested as per MIL-STD-461G



Discrete Line Facility Filter – SMF912

Operating Voltage

277VAC/380VDC

Current Rating

Up to 3000A

Operating Frequency

50/60Hz

Performance Indicator

Standard	High	Very High

Tested as per MIL-STD-461G

Common Mode Facility Filter – TMF911

Operating Voltage

480VAC/675VDC

Current Rating

Up to 3000A

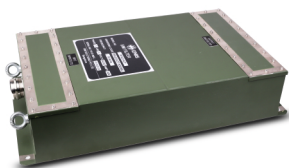
Operating Frequency

50/60Hz

Performance Indicator

Standard	High	Very High

Tested as per MIL-STD-461G



Discrete Line Facility Filter – TMF912

Operating Voltage

480VAC/675VDC

Current Rating

Up to 3000A

Operating Frequency

50/60Hz

Performance Indicator

Standard	High	Very High

Tested as per MIL-STD-461G

Military Grade Filters / HEMP Power Line Filters / Single Phase

Common Mode HEMP Filter – SMF913

Operating Voltage

250VAC

Current Rating

Up to 3000A

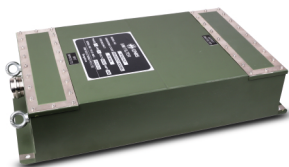
Operating Frequency

50/60Hz

Performance Indicator

Standard	High	Very High

Tested as per MIL-STD-188-125-1/2



Discrete Line HEMP Filter – SMF914

Operating Voltage

250VAC

Current Rating

Up to 3000A

Operating Frequency

50/60Hz

Performance Indicator

Standard	High	Very High

Tested as per MIL-STD-188-125-1/2

Military Grade Filters / HEMP Power Line Filters / Three Phase

Common Mode HEMP Filter – TMF913

Operating Voltage

440VAC

Current Rating

Up to 3000A

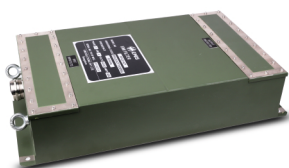
Operating Frequency

50/60Hz

Performance Indicator

Standard	High	Very High

Tested as per MIL-STD-188-125-1/2



Discrete Line HEMP Filter – TMF914

Operating Voltage

440VAC

Current Rating

Up to 3000A

Operating Frequency

50/60Hz

Performance Indicator

Standard	High	Very High

Tested as per MIL-STD-188-125-1/2

Telephone Line EMP Surge Protector – CMF925



Operating Voltage	Current Rating	Number of Lines
95VAC/125VDC	125mA	1

Performance Indicator

Standard	High	Very High

Tested as per MIL-STD-188-125-1/2

Telephone Line Filter – CMF926



Operating Voltage	Current Rating	Number of Lines
95VAC/125VDC	300mA	Up to 32 Lines

Performance Indicator

Standard	High	Very High

Tested as per MIL-STD-461G

Telephone Line HEMP Filter – CMF927



Operating Voltage	Current Rating	Number of Lines
95VAC/125VDC	125mA	Up to 32 Lines

Performance Indicator

Standard	High	Very High

Tested as per MIL-STD-188-125-1/2

Co-axial EMP Surge Protector – CMF928



Operating Voltage	Surge Current	Operating Frequency
100W, 200W, 400W	20kA, 8/20µs	DC / 2.5GHz

Tested as per MIL-STD-188-125-1/2

Military Grade Filters / Data Line EMP Surge Protectors / Serial Port

RS422/485 EMP Surge Protector – CMF939



Operating Voltage
± 3VDC peak signal voltage

Current Rating
100mA

Data Rate
12Mbps

Tested as per MIL-STD-188-125-1/2

Military Grade Filters / Data Line EMP Surge Protectors / Ethernet

RJ45 EMP Surge Protector – CMF93A



Operating Voltage
± 3VDC peak signal voltage.
±55VDC peak signal voltage (With POE)

Current Rating
250mA

Data Rate
10/100/1000Mbps

Tested as per MIL-STD-188-125-1/2

Military Grade Filters / Control Line Filters

Control Line EMP Surge Protector – CMF94B



Operating Voltage
± 32VDC/48VDC

Current Rating
Up to 6A

Performance Indicator

Standard	High	Very High

Tested as per MIL-STD-188-125-1/2

AC Control Line Filter – CMF94C



Operating Voltage
250VAC

Current Rating
Up to 10A

Number of Lines
Up to 32 Lines

Performance Indicator

Standard	High	Very High

Tested as per MIL-STD-461G



DC Control Line Filter – CMF94D

Operating Voltage
100VDC

Current Rating
Up to 10A

Number of Lines
Up to 32 Lines

Performance Indicator

Standard	High	Very High

Tested as per MIL-STD-461G



AC Control Line HEMP Filter – CMF94E

Operating Voltage
250VAC

Current Rating
Up to 6A

Number of Lines
Up to 32 Lines

Performance Indicator

Standard	High	Very High

Tested as per MIL-STD-188-125-1/2



DC Control Line HEMP Filter – CMF94F

Operating Voltage
48VDC

Current Rating
Up to 6A

Number of Lines
Up to 32 Lines

Performance Indicator

Standard	High	Very High

Tested as per MIL-STD-188-125-1/2

Military Grade Filters / Secondary Protector



Lightning Connector – CMF950

Available with Various Terminations (BNC-BNC, TNC-TNC, BNC-TNC, N-BNC, N-TNC)

Surge Current
20kA, 8/20 μ s

Military Grade Filters / Tempest Filters

Single Phase Tempest Filter – MF710



Operating Voltage 250VAC Current Rating 1A to 32A Operating Frequency 50/60Hz

Performance Indicator

Standard	High	Very High



Three Phase Tempest Filter – TMF960



Operating Voltage 440VAC Current Rating 3A to 50A Operating Frequency 50/60Hz

Performance Indicator

Standard	High	Very High

DC Tempest Filter – DMF960



Operating Voltage 48VDC Current Rating 3A to 50A

Performance Indicator

Standard	High	Very High

Military Grade Filters / MRI Filter

MRI Filter MF420-2CF-M



Operating Voltage 250VAC Current Rating 1A to 32A Operating Frequency 50/60Hz

Performance Indicator

Standard	High	Very High



High Performance MIL-Grade Filter for CE – TMF970



Operating Voltage 440VAC/520VAC	Current Rating 6A to 150A	Operating Frequency 50/60Hz
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Performance Indicator

Standard	High	Very High

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