EMIS

Defence & Aerospace

Product Catalogue

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Military Grade Filters

Power Line Filter
- Facility Power Line Filters — 04
- HEMP Power Line Filters — 05

Signal Line Filter
- Telephone Line Filters — 06
- Coaxial EMP Surge Protector — 06

Data Line EMP Surge Protector
- Serial Port-EMP Surge Protector — 06
- Ethernet EMP Surge Protector — 07

Control Line Filter — 07-08

Secondary Protector — 08

Tempest Filter — 09

MRI Filter — 09

High Performance MIL-Grade Filter for CE — 10

Low Leakage Facility Filters — 10

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.

Military Grade Filters / Facility Power Line Filters / Single Phase

Common Mode Facility Filter – SMF911

Operating Voltage	Current Rating	Operating Frequency
277VAC/380VDC	Up to 3000A	50/60Hz

Performance Indicator

Standard	High	Very High

Tested as per MIL-STD-461G

Discrete Line Facility Filter – SMF912

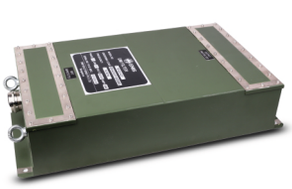
Operating Voltage	Current Rating	Operating Frequency
277VAC/380VDC	Up to 3000A	50/60Hz

Performance Indicator

Standard	High	Very High

Tested as per MIL-STD-461G

Military Grade Filters / Facility Power Line Filters / Three Phase (3W, 4W)



Common Mode Facility Filter – TMF911

Operating Voltage	Current Rating	Operating Frequency
480VAC/675VDC	Up to 3000A	50/60Hz

Performance Indicator

Standard	High	Very High

Tested as per MIL-STD-461G

Discrete Line Facility Filter – TMF912

Operating Voltage	Current Rating	Operating Frequency
480VAC/675VDC	Up to 3000A	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	Current Rating	Operating Frequency
250VAC	Up to 3000A	50/60Hz

Performance Indicator

Standard	High	Very High

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

Discrete Line HEMP Filter – SMF914

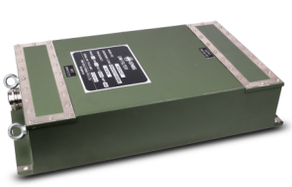
Operating Voltage	Current Rating	Operating Frequency
250VAC	Up to 3000A	50/60Hz

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	Current Rating	Operating Frequency
440VAC	Up to 3000A	50/60Hz

Performance Indicator

Standard	High	Very High

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

Discrete Line HEMP Filter – TMF914

Operating Voltage	Current Rating	Operating Frequency
440VAC	Up to 3000A	50/60Hz

Performance Indicator

Standard	High	Very High

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

Military Grade Filters / Signal Line Filters / Telephone Line Filters

Telephone Line EMP Surge Protector – CMF925

Operating Voltage
95VAC/125VDC

Current Rating
125mA

Number of Lines
1

Performance Indicator

Standard	High	Very High

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

Telephone Line Filter – CMF926

Operating Voltage
95VAC/125VDC

Current Rating
300mA

Number of Lines
Up to 32 Lines

Performance Indicator

Standard	High	Very High

Tested as per MIL-STD-461G

Telephone Line HEMP Filter – CMF927

Operating Voltage
95VAC/125VDC

Current Rating
125mA

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 / Signal Line Filters / Co-axial EMP Surge Protector

Co-axial EMP Surge Protector – CMF928

Operating Voltage
100W, 200W, 400W

Surge Current
20kA, 8/20µs

Operating Frequency
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

Military Grade Filters / Control Line Filters

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, 8/20µs

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 100A

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

Military Grade Filters / High Performance MIL-Grade Filter for CE

High Performance MIL-Grade Filter for CE – TMF970

Operating Voltage
440VAC/520VAC

Current Rating
6A to 150A

Operating Frequency
50/60Hz

Performance Indicator

Standard	High	Very High
■	■	

Military Grade Filters / Low Leakage Facility Filters / Single Phase & Three Phase

SMF911L

Operating Voltage
277VAC/380VDC

Current Rating
16A to 400A

Operating Frequency
0 to 60Hz

Performance Indicator

Standard	High	Very High
	■	■

TMF911L

Operating Voltage
480VAC/675VDC

Current Rating
32A to 800A

Operating Frequency
0 to 60Hz

Performance Indicator

Standard	High	Very High
	■	■

SMF911UL

Operating Voltage
250VAC

Current Rating
10A to 100A

Operating Frequency
50/60Hz

Performance Indicator

Standard	High	Very High
■	■	

TMF911UL

Operating Voltage
440VAC

Current Rating
10A to 250A

Operating Frequency
50/60Hz

Performance Indicator

Standard	High	Very High
■	■	

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