

MFeed Military Filters

Current Ratings: **1, 2, 3, 4, 6, 10** AMPS.

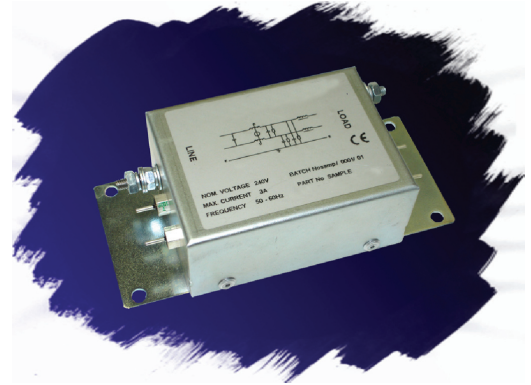
Operating Voltage: Single Phase 115 – 230V.A.C.

Our new Military Range of very high performance Filters is an innovative development and has been designed to ensure Defence Standard compliance for various equipment applications in particular for IT. Its physical compactness along with its outstanding performance in attenuation of unwanted interference makes this range unique.

The In-line design allows ease of application and installation including retro fitting. The Military filter series is a multiple stage device with effective attenuation characteristics at very low frequencies which is not normally a requirement in commercial products. Transient protection is built-in to these products to assist with susceptibility test. The housing is plated mild steel and the filter is encapsulated within this surround.

This allows the unit to be securely mounted on its base and the input / output connections are via feed through devices which have a solder pin.

This filter is available in two different case sizes and various current ratings from 1A through to 10A. This makes it a very compact multi-application unit providing the ultimate attenuation package. This filter is also available with a 400Hz capability.



TYPICAL APPLICATIONS

- IT equipment
- Power supplies
- Laptop computers
- Uninterruptible power supplies

TECHNICAL ADVANTAGES

- Compact dimensions
- High attenuation characteristics
- Transient protection
- In line device

COMMERCIAL ADVANTAGES

- Reduced volume
- Reduced weight
- Cost effective

Technical Specifications

Current (Amps)	No of Lines	Operating Voltage @ 50-60Hz	Max AC Volt Drop @ Full Load	Earth Leakage mA	Inductance Per Line (Typical) mH	Transient Energy Absorption (Typical)	Storage Temp Range	Temp Rise @ Full Load	Termination Type	Dimensions							
										A	B	C	D	E	F	G	H
1	2	Upto 240V	<2V/Line	4	10	75J Optional	-25 ~ +85°C	<40°C	Solder pin	119	55	33	75	106	42	4	M3 x 8
2					8					119	55	33	75	106	42	4	M3 x 8
3					8					119	55	33	75	106	42	4	M3 x 8
4					8												
6					8												
10					5												

STANDARDS

This Military filter range is built in accordance with the relevant BS, VDE, UL, CE & CSA safety standards.

All Total EMC Products Ltd filters are designed to meet the latest requirements for Health and Safety, Particularly EN 160939-2-2005.

The Military filter range is specifically designed to assist IT equipment and in gaining compliance with European and International Emission standards. eg. EN55011, EN55014, EN55022 and EN61000.

Military Def Stans 59/41, 59/411.

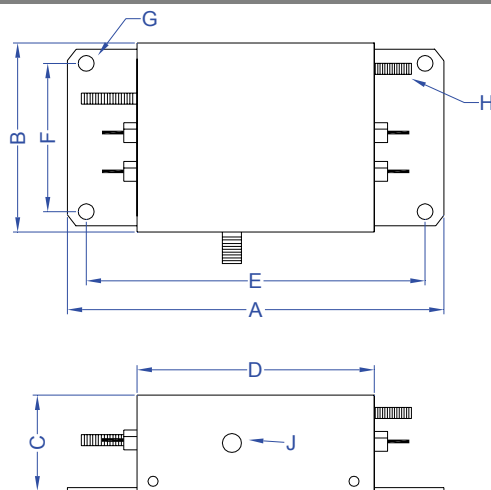
Mil Standards 461/462.

REGULATIONS

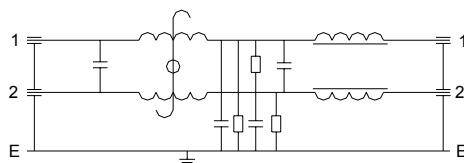
All electronic equipment that is commissioned into military service must comply with the relevant Defence Standards

Dimensional Data

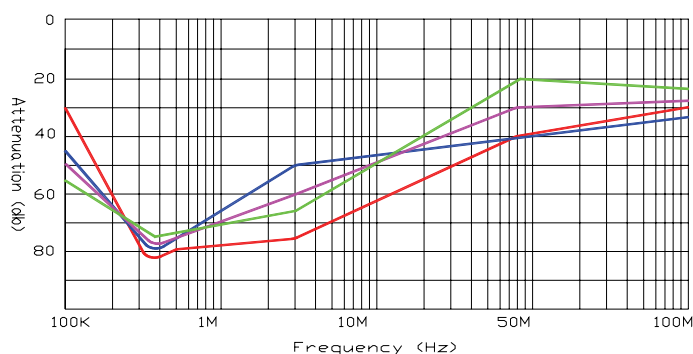
1, 2 & 3A FILTERS



Schematics



Performance characteristics insertion loss curves



1-2A
3A

Part number / Ordering information

In addition to the standard range of filters & power supplies, Total EMC Products specialize in the design and manufacture of filters to suit your specific requirements. Due to continuous development Total EMC Products Ltd reserve the right to amend any information contained within this datasheet without prior notice.

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