

# TER Rackmount filters

Current Ratings: **16 AMPS**.  
Operating Voltage: Single Phase

The TER (TEMPEST Rackmount pluggable) filter range are designed and tested for sensitive equipment in sensitive areas, for attenuation from 100kHz – 1GHz at over 60dB.

The filters come with 3 or 6 socket outputs and have current ratings up to 32 Amps per phase. Transient suppression can be added as an option to the filters to give protection against induced transients from EMP sources. The filters are housed in steel enclosures that are then painted for protection.

*\*Custom options and higher current ratings are available for this range, please contact for details.*



## TYPICAL APPLICATIONS

- Shielded enclosures
- IT installation
- Computer rooms
- Banks
- Military installations
- TEMPEST application

## COMMERCIAL ADVANTAGES

- Assists compliance with the EMC directive
- State of the art technology ensures superior performance
- Competitively priced
- Compact size - Reduced weight - Cost effective component

## TECHNICAL ADVANTAGES

- LSZH Cable used for sensitive areas
- High common & differential mode insertion loss
- Improved low frequency performance
- Optional input transient suppression to suit application

## Technical Specifications

Current (Amps)	No of Lines	Max Voltage / Frequency	Max AC Volt Drop @ Full Load	Typical Earth Leakage mA (Worst case)			Inductance Per Line (Typical) mH	Transient Energy Absorption (Typical)	Storage Temp Range	Operating Temp.	Temp Rise @ Full Load	Termination Options	Weight (Kg) (approx)
		2 LINE		Std	LE	400 Hz							
16	2	275V AC	<2V/Line	3.5	2.0	N/A	5	75J Optional	-25 ~ +85°C	-20 - +50°C	<35°C	VARIOUS	2

## STANDARDS

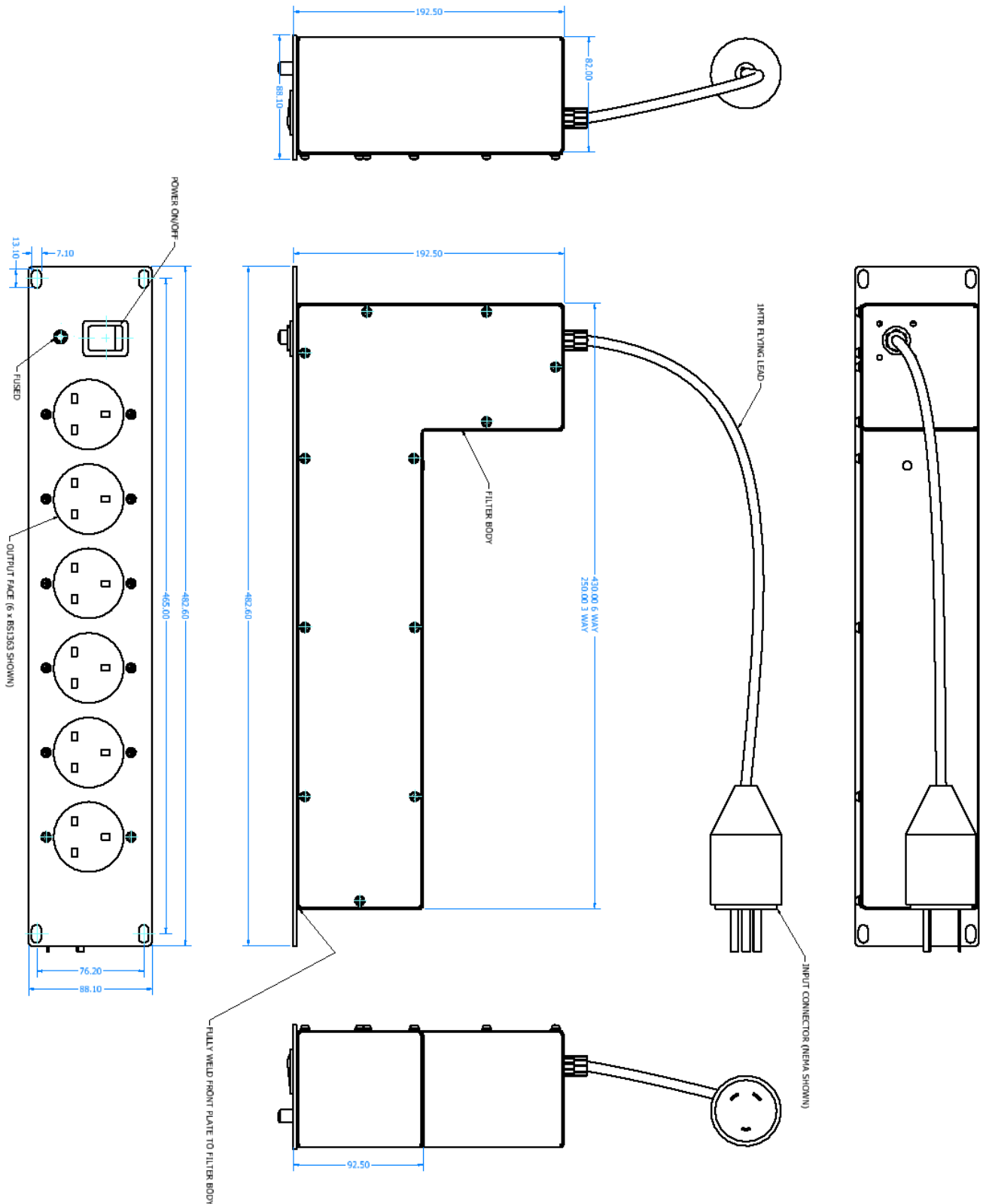
The TER range of filters are built in accordance with the relevant BS, VDE, UL, CE & CSA safety standards. This range also conforms to MIL-STD 220A and the electrical characteristics of Mil-F-15733.

All Total EMC Products filters & power supplies are designed to meet the latest requirements for Health and Safety, Particularly EN 60939-2-2005.

## REGULATIONS

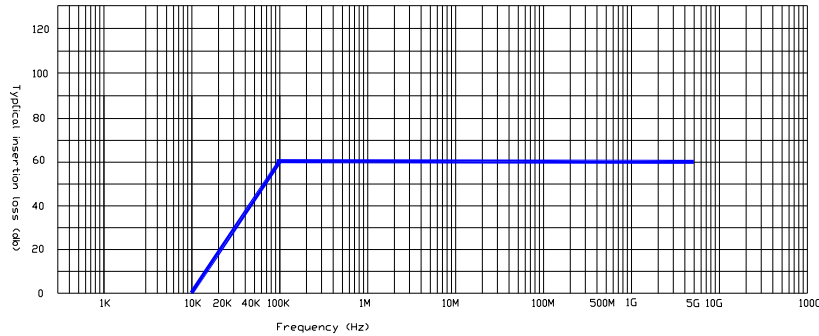
From the 15th of December 2004 all electrical/electronic apparatus - with few exceptions - sold or taken into service within the European Community must comply with the essential requirements of the EMC directive 2004/108/EC. Failure to do so is a criminal offence in the U.K.

## Dimensional Data



## Performance characteristics insertion loss curves

All Dimensions  
relate to TEP  
filters only.



## Part number / ordering information

\*\*\*/\*/\*\*/TER/\*/-

\*\*\* = Amp Rating of filter

\* = No of Outputs on filter (3/6)

### INPUT (Flying Lead)

\* S = Shuko

B = BS1363

C = Commando

N = NEMA L5-20P

\*\* 1/3/5 = Length of lead.

### OUTPUT

\* S = Shuko

B = BS1363

C = Commando

T = Transient Protection - = None

**Example:** 016/2/S1/TER/B/- (This is a 16A 2 line TER unit with Shuko input Connector on 1 MTR Lead, and 3 x BS1363 output sockets, with no options)

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.

© 10/2016 Total EMC Products Ltd. E & OE

The contents of the datasheet must not be copied by any means without prior written agreement.