

# Custom DYT/005/C Filter

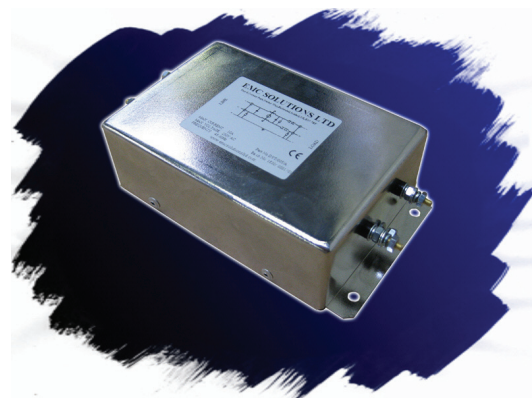
Current Ratings: **10** AMPS.

Operating Voltage: Single Phase 115 - 230V A.C. / 0 – 300 VDC

This high performance filter has been specifically designed to customer requirements; to provide a custom filter within a small package yet having high attenuation levels with low leakage currents.

This range will provide all the above requirements with the attributes of being fully sealed and able to withstand the most stringent shock and vibrant tests.

This is a single phase, 2 stage device with feed through capacitor connections. The outer case is made of mild steel plated in bright tin. All components inside the filter are polyurethane encapsulated to prevent shock and vibration affecting any of the components inside.



## TYPICAL APPLICATIONS

- Tempest Environment IT equipment
- Air Con
- Laptop computers
- Uninterruptible power supplies

## TECHNICAL ADVANTAGES

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

## 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	I	J	K
10	2	95- 265V AC	0.5V/ Line AC	18	6	N/A	-40 ~ +85°C	<40°C	M3 Screw fixing	123	76	38	112	118	51	25mm	56	15	M3x18	4x M3 clinch nut

## STANDARDS

The range of filters are 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 60939-2-2005

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

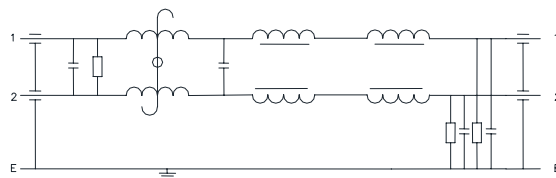
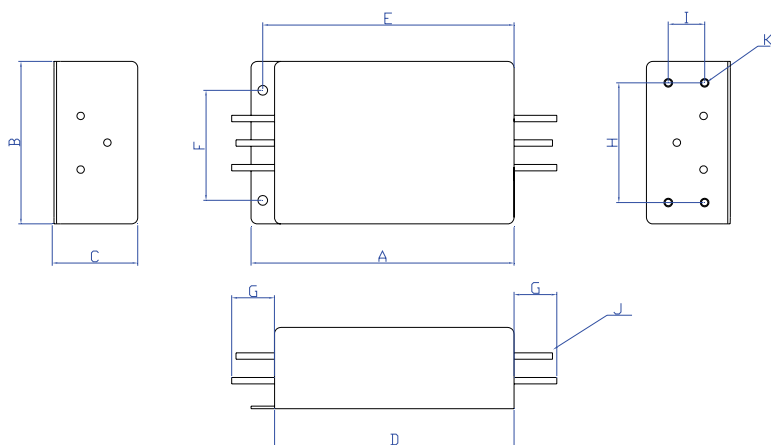
Military Def Stans 59/41, 59/411.

Mil Standards 461/462.

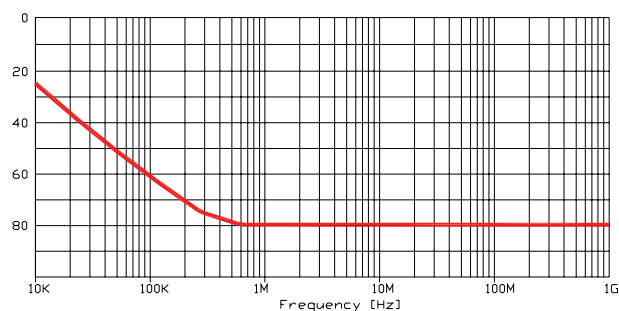
## REGULATIONS

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

## Dimensional Data & Schematic



## Performance characteristics insertion loss curves



10A

## Part number / Ordering information

**DYT/005/C**

**Example:** DYT/005/C (This is a 10A 2 line 2 stage Revision 'C' Filter)

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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