

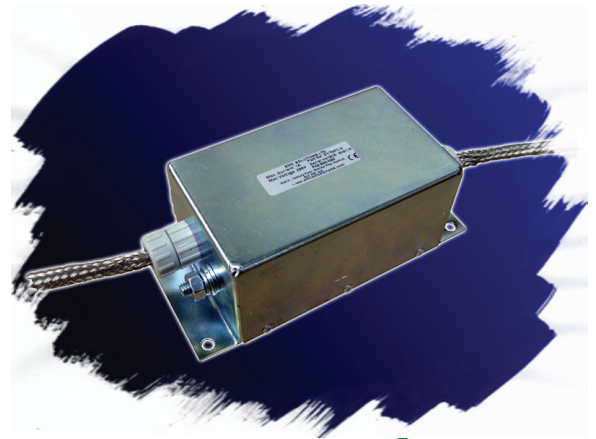
Custom 4 Line Tempest Filters

Current Ratings: **1 - 10** AMPS.

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

The high performance, (Tempest) filter has been specifically designed to customer specific requirements; to provide a TEMPEST rated filter within a small package yet having high frequency attenuation levels with low leakage currents. The DYT 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 multi stage device with Earth filtering and transient protection. This is to help overcome the problems that can either be present down the Earth line or transients that are across the lines. The outer case is made of mild steel plated hermetically sealed and all the components inside the filter are polyurethane encapsulated to prevent shock and vibration affecting any of the components inside. External cables are double screened for extra performance with cables being low smoke, halogen free. The EMI filter is also RoHS compliant ensuring extra protection.



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 Rating	Storage Temp Range	Temp Rise @ Full Load	Termination Type	Dimensions							
										A	B	C	D	E	F	G	H
1 - 10	4	95- 265V AC 300V	0.3V/ Line DC 0.5V/ Line AC	2mA	0	0.1 (10/1000 μ s) J	-40 ~ +85°C	<40°C	Double screened Flying Lead	136	60	45	92	124	48	1500	M5x 15mm

STANDARDS

The DYT 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.

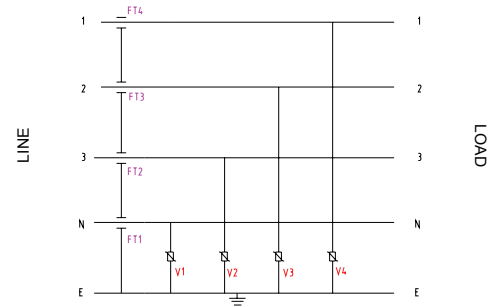
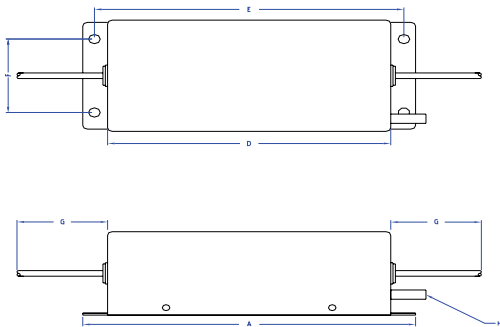
The DYT range is specifically designed to assist equipment and in gaining compliance with European and International Emission standards. eg. EN55011, EN55014, EN55022 and EN61000. Military Def Stans 59/41, 59/411. Mil Standards 461/462.

REGULATIONS

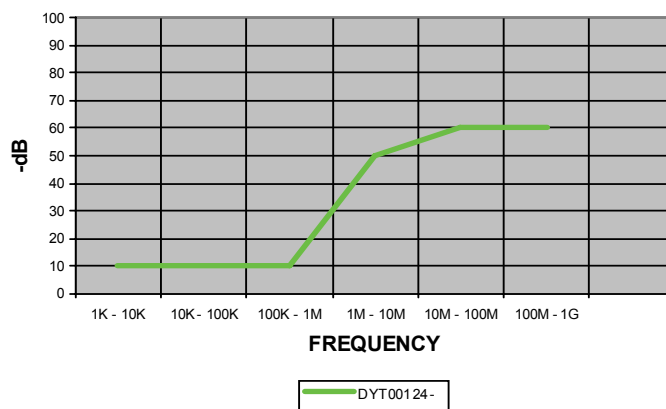
All electronic equipment that is commissioned into military service must comply with the relevant Defence Standards

Dimensional Data & Schematic

1 -10 Amp Filters



Performance characteristics insertion loss curves



Part number / Ordering information

DYT/001/2/4/T

Options T = Transient

Example: DYT/001/2/4/T (This is a 1A 4 line Tempest filter with Transient protection).

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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