


Features:

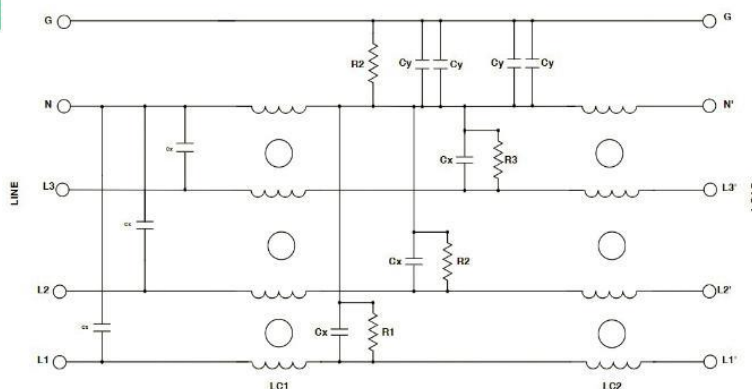
- 3 Phase filters with neutral
- Compact/Light Weight/Economical
- Bookshelf Design

Applications:

- AC/DC Drives
- CNC Machines
- Regenerative Drives

Performance Indicator

Standard	High	Very High

Typical circuit Diagram

DATA SHEET
THREE PHASE EMI FILTER
Model No: TMF4222
Description

This type of three phase filters with neutral in book shelf design give superior performance when used in applications with low Impedance loads controlling pulsed, continuous and intermittent interference noise and where high levels of mains borne interference are present.

Technical Specifications:

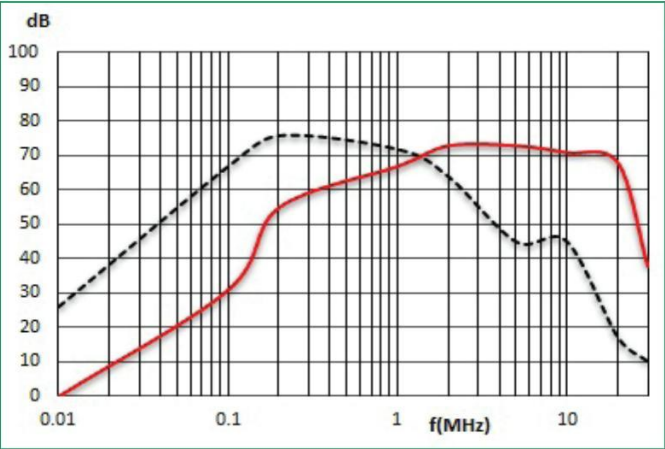
Maximum Continuous Operating Voltage	: 520VAC
Operating Frequency	: 50/60Hz
Current ratings	: 8 to 250A@50°C
High Potential test voltage	: L to G 2856 VDC for 2 Sec L to L 1290 VDC for 2 Sec
Overload Capability	: 135% of Rated current for 15 Minutes
Design Corresponding to	: UL 60939-3, IE C60939-1&2, CSA 22.2 NO.8-13
Flammability corresponding to	: UL 94V-0
Temperature range	: -25°C to +100°C
Climatic Category	: 25/100/21
IP Protection	: IP20

Model Number	Part Number	Current Rating @ 50°C(A)	Leakage current @ 520 VAC/ 50 Hz (mA)	Power loss @25°C / 50Hz (W)	Termination 	Weight (Approx.in Kg's)
TMF4222-8-2	E111532-1	8	19	4.4	4	0.9
TMF4222-12-2	E111533-1	12	19	4.8	4	1
TMF4222-16-2	E111534-1	16	21	8.7	4	1.5
TMF4222-30-2	E106502-1	30*	21	10.7	10	2
TMF4222-42-2	E111535-1	42	30	15.7	10	2.5
TMF4222-55-2	E111536-1	55	22	24.6	16	3
TMF4222-75-2	E111537-1	75	30	38.0	35	5
TMF4222-100-2	E111538-1	100	21	53.3	50	6.5
TMF4222-130-2	E111539-1	130	21	71.6	50	7
TMF4222-180-2	E111540-1	180	30.8	90.3	95	11
TMF4222-250-2	E111541-1	250	36.6	128	150	15

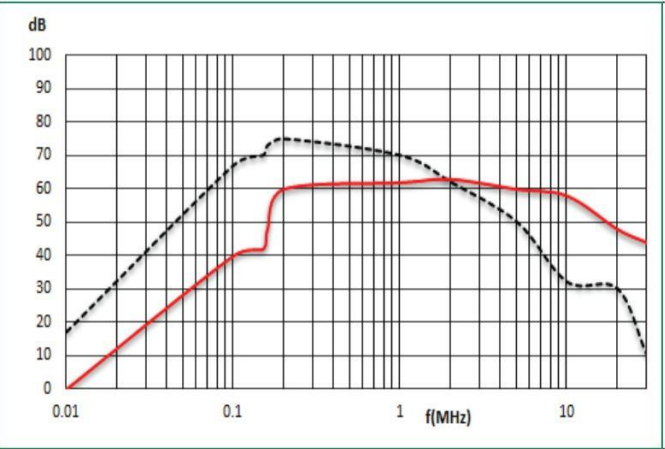
*Note: UL Approved

Insertion Loss : Common mode _____ Differential Mode
Per CISPR 17 ; DM=50/50sym ; CM=50/50asym

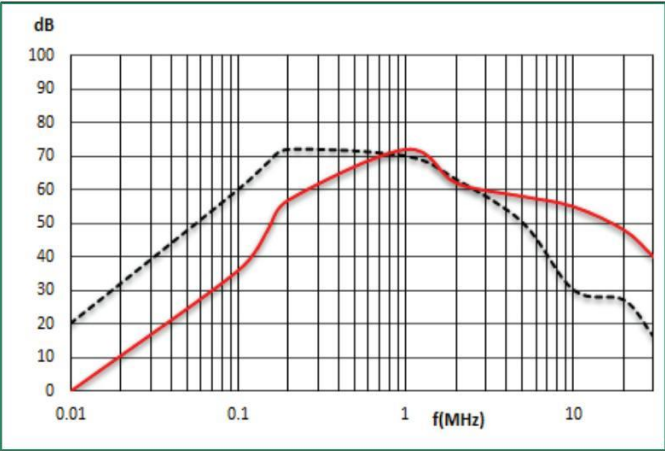
8A



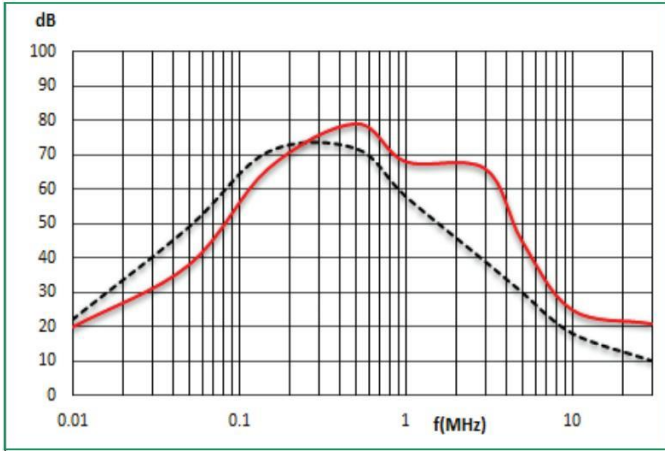
12A



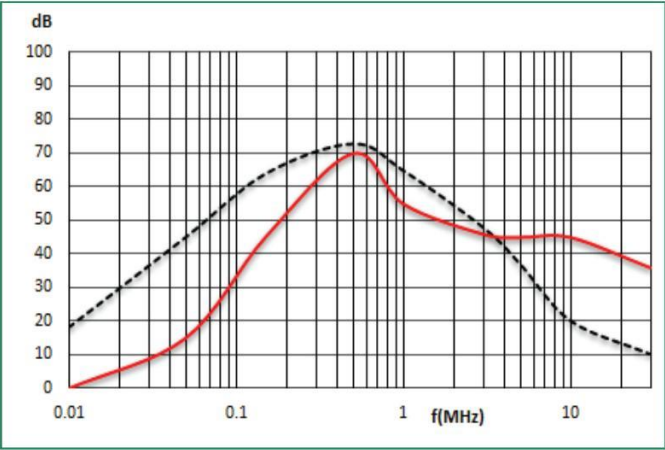
16A



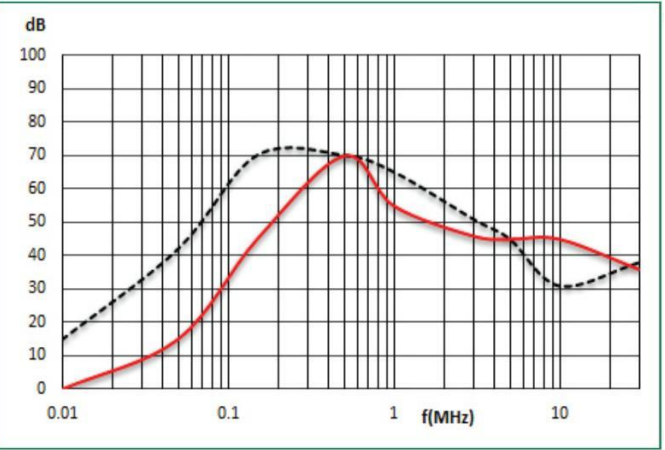
30A



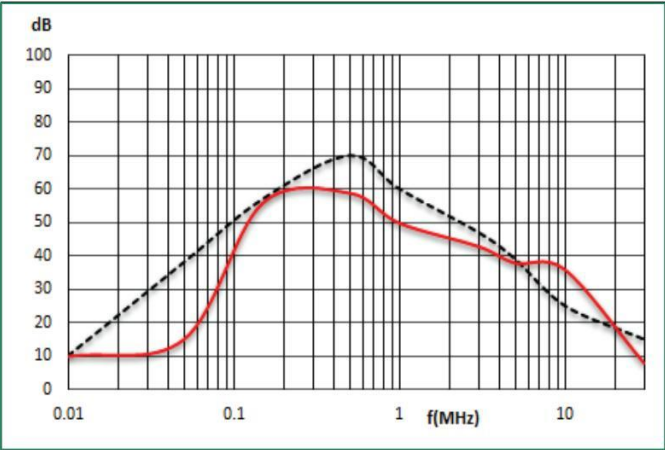
42A



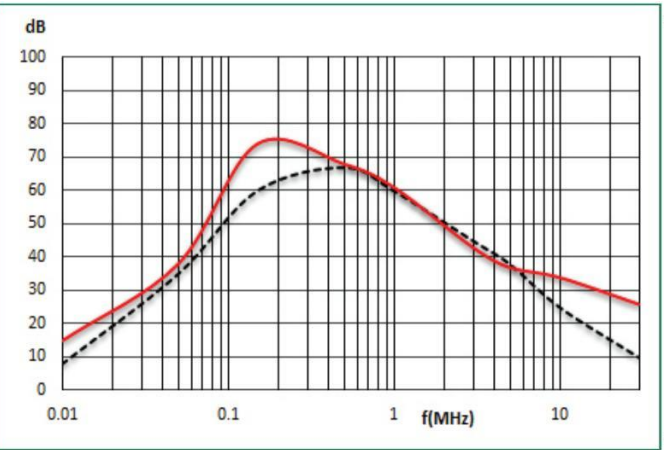
55A



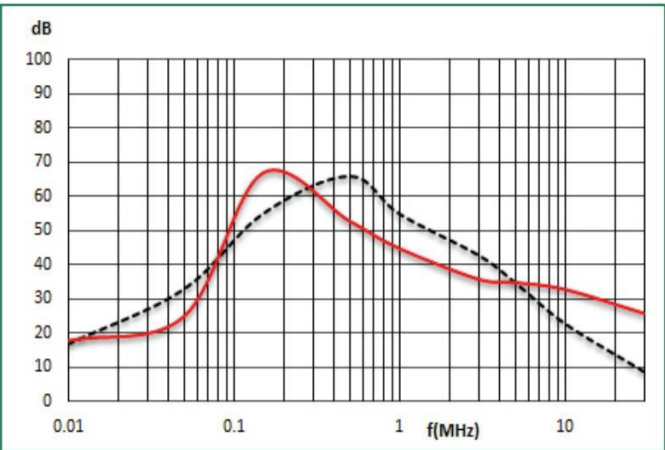
75A



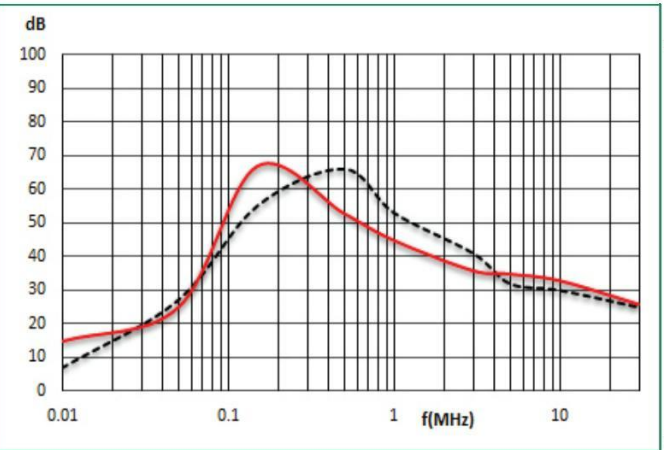
100A



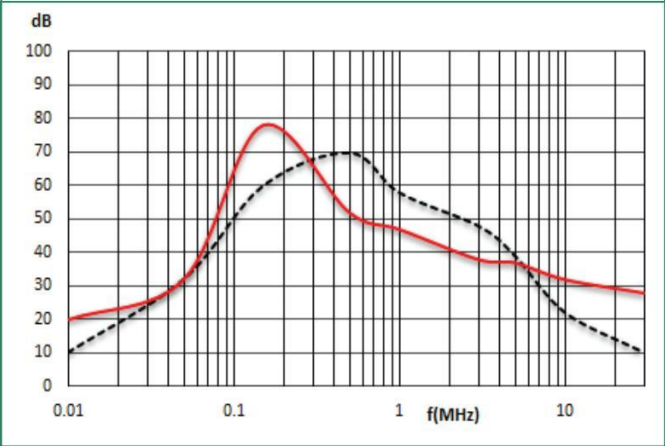
130A



180A

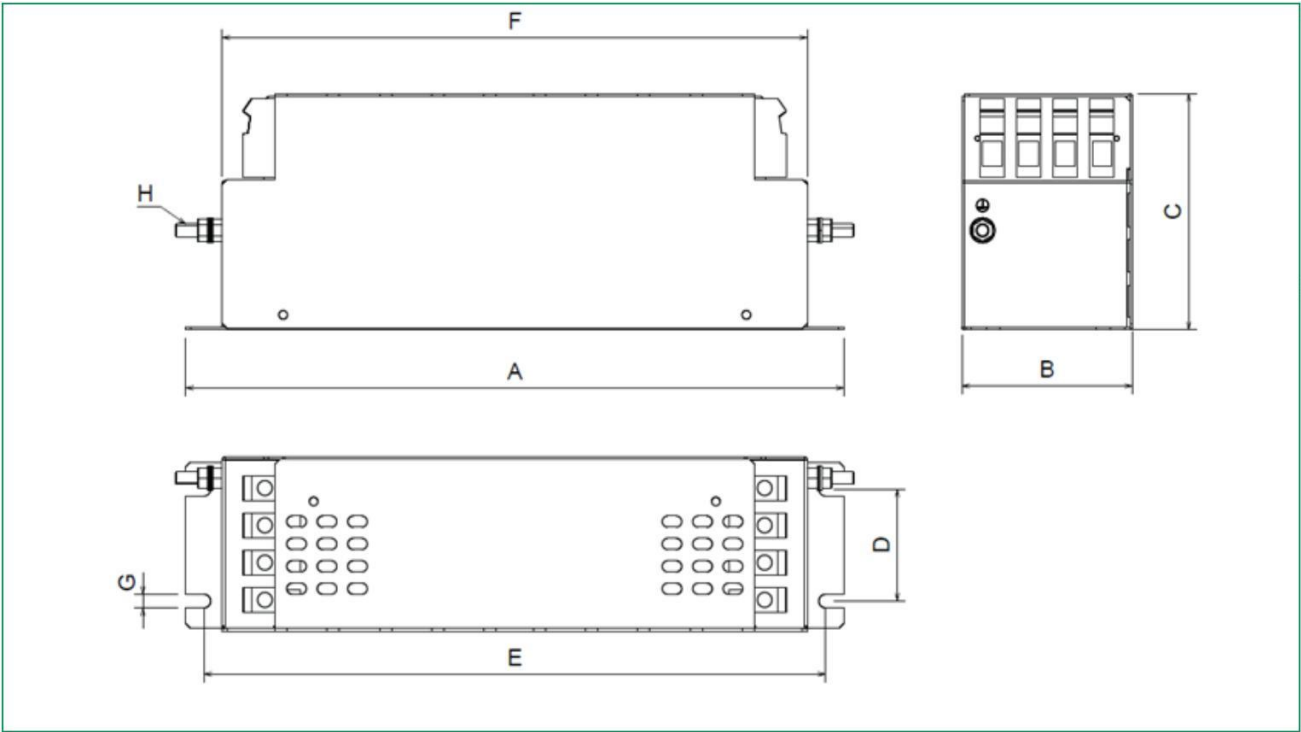


250A

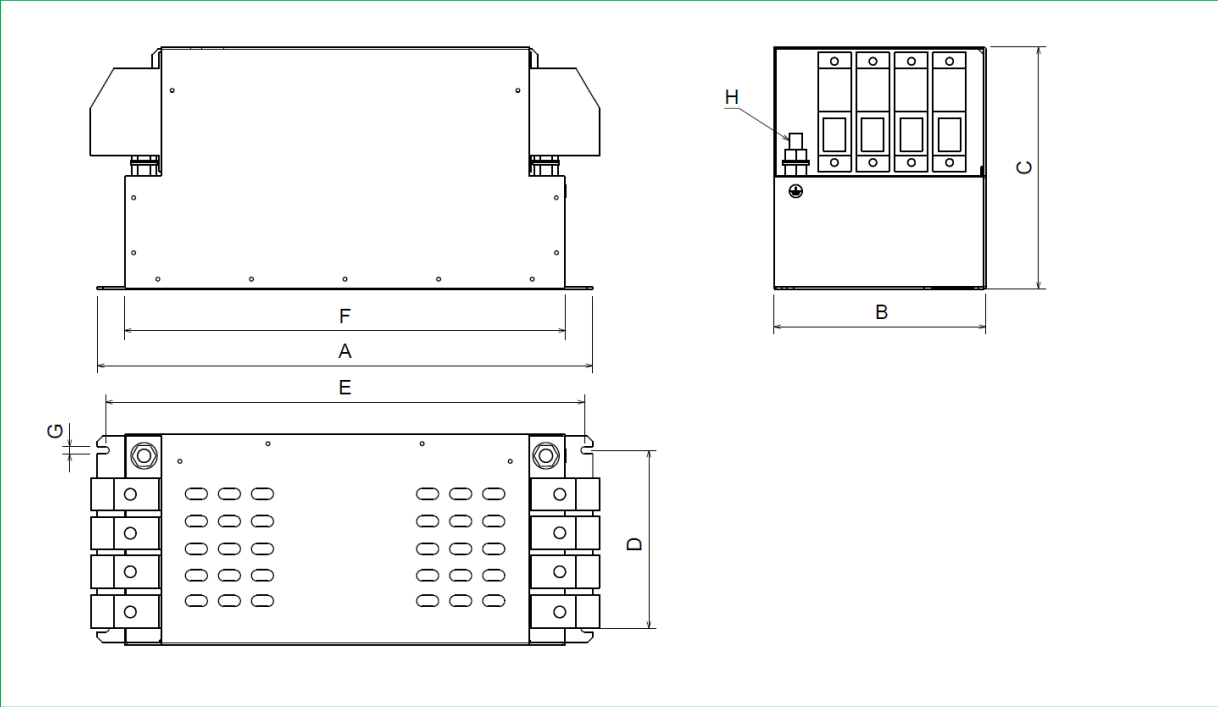


Mechanical Drawing :

8A to 42A



55A to 250A



Mechanical dimensions :

Current ratings in (A)	A	B	C	D	E	F	G	H
8	190	55	75	30	180	166	5.5	M5
12	220	55	75	30	210	190	5.5	M5
16	250	55	75	30	240	220	5.5	M5
30	270	70	95	45	255	240	5.5	M5
42	310	70	95	40	295	280	5.5	M6
55	250	100	95	70	235	215	5.5	M6
75	270	100	150	70	255	240	6.5	M8
100	320	115	150	85	305	285	6.5	M10
130	320	115	150	85	305	285	6.5	M10
180	380	155	180	125	365	345	6.5	M10
250	450	186	220	155	435	410	6.5	M12

Termination & Torque details

Current rating	8	12	16	30	42	55	75	100	130	180	250
Line & load terminal	4mm ²	4mm ²	4mm ²	10mm ²	10mm ²	16mm ²	35mm ²	50mm ²	50mm ²	95mm ²	150mm ²
Torque in Nm	0.5-1.0	0.5-1.0	0.5-1.0	1.2-2.0	2.0-2.0	2.0-4.0	2.0-5.0	6.0-8.0	6.0-8.0	8.0-12	14.0-20.0
Earth terminal	M5	M5	M5	M5	M6	M6	M8	M10	M10	M10	M12
Torque in Nm	3.0	3.0	3.0	3.0	6.0	6.0	12.0	20.0	20.0	20.0	20.0