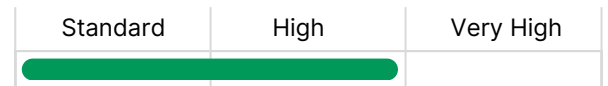
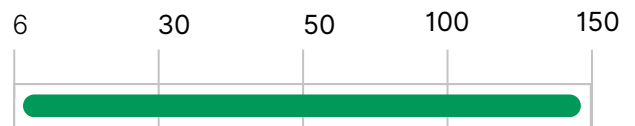



Features:

- EMI/EMC Filters with MIL Connectors
- Superior Performance
- Chassis mounting 3 Phase Filter

Applications:

- Industrial
- Military Systems
- Military Vehicles

Performance Indicator:

Rated Current (A):

DATASHEET
HIGH PERFORMANCE MIL-GRADE FILTER FOR CE: TMF970

MIL Connector EMI Filters are used to enable equipment used in military ground, vehicles and support equipment to comply with MIL-STD-461 and MIL-STD-464 Conducted emission requirements

Technical Specifications:

Operating Voltage	:440/520VAC
Current Ratings	:6A to 150A @40°C
Operating Frequency	:50/60Hz
High potential test voltage	:L to G 2660VDC for 2 s (For 440VAC) L to L 1950VDC for 2 s L to G 2884VDC for 2 s (For 520VAC) L to L 2279 VDC for 2 s
Overload Capability	:135% of Rated current for 15minutes
Design Corresponding to	:UL 60939-3, CSA 22.2 No.8-13 and IEC 60939
Flammability corresponding to	:UL 94 V-0

Temperature range	: -25°C to +85°C
Climatic Category	: 25/85/21
Enclosure	: CRCA/Plated/Powder Coated

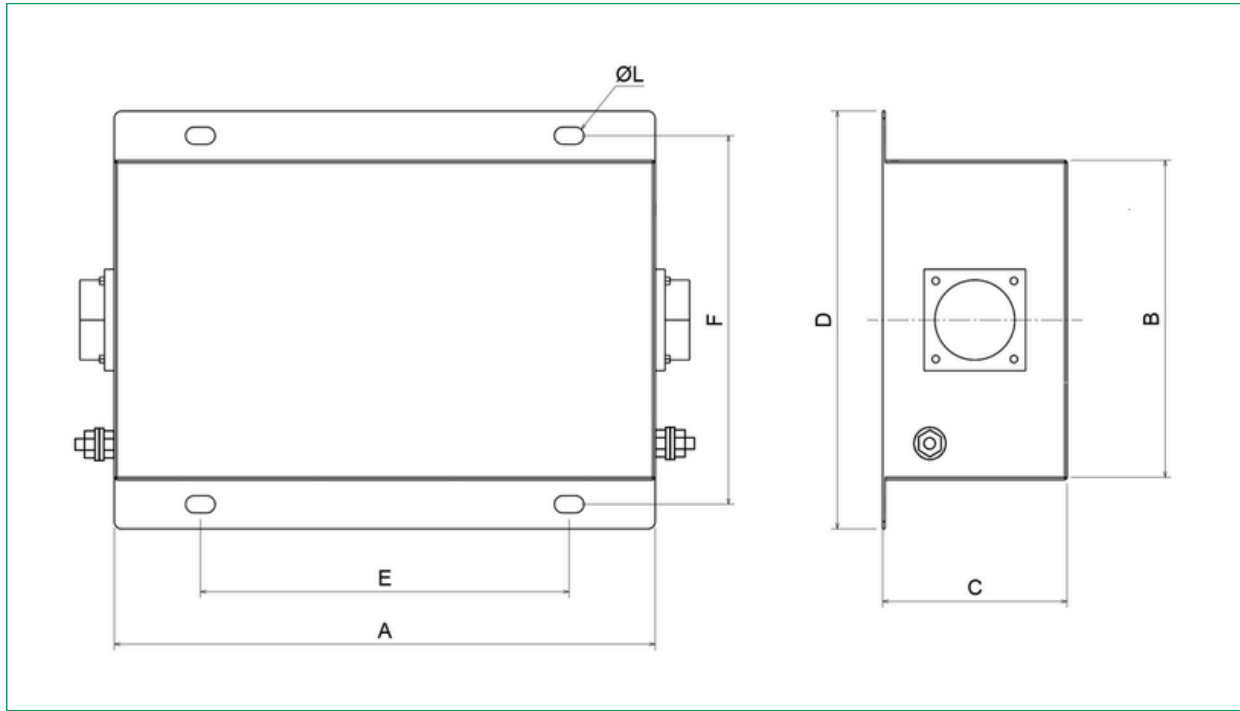
Ordering Information: 3 Lines

Model Number	Part Number (440VAC)	Part Number (520VAC)	Rated Current @40°C (A)	Termination	Min. Weight (Kgs)
TMF970-3-6	E104922-1	E104934-1	6	MIL Circular Connector	3
TMF970-3-10	E104923-1	E104935-1	10	MIL Circular Connector	3
TMF970-3-20	E104924-1	E104936-1	20	MIL Circular Connector	3
TMF970-3-30	E104925-1	E104937-1	30	MIL Circular Connector	3
TMF970-3-40	E104926-1	E104938-1	40	MIL Circular Connector	4
TMF970-3-50	E104927-1	E104939-1	50	MIL Circular Connector	4
TMF970-3-60	E104928-1	E104940-1	60	MIL Circular Connector	6
TMF970-3-75	E104929-1	E104941-1	75	MIL Circular Connector	7
TMF970-3-80	E104930-1	E104942-1	80	MIL Circular Connector	7
TMF970-3-100	E104931-1	E104943-1	100	MIL Circular Connector	7
TMF970-3-125	E104932-1	E104944-1	125	MIL Circular Connector	7
TMF970-3-150	E104933-1	E104945-1	150	MIL Circular Connector	7

Ordering Information: 4 Lines

Model Number	Part Number (440VAC)	Part Number (520VAC)	Rated Current @40°C (A)	Termination	Min. Weight (Kgs)
TMF970-4-6	E108677-1	E108689-1	6	MIL Circular Connector	4
TMF970-4-10	E108678-1	E108690-1	10	MIL Circular Connector	4
TMF970-4-20	E108679-1	E108691-1	20	MIL Circular Connector	4
TMF970-4-30	E108680-1	E108692-1	30	MIL Circular Connector	4
TMF970-4-40	E108681-1	E108693-1	40	MIL Circular Connector	5
TMF970-4-50	E108682-1	E108694-1	50	MIL Circular Connector	5
TMF970-4-60	E108683-1	E108695-1	60	MIL Circular Connector	7
TMF970-4-75	E108684-1	E108696-1	75	MIL Circular Connector	8
TMF970-4-80	E108685-1	E108697-1	80	MIL Circular Connector	8
TMF970-4-100	E108686-1	E108698-1	100	MIL Circular Connector	8
TMF970-4-125	E108687-1	E108699-1	125	MIL Circular Connector	8
TMF970-4-150	E108688-1	E108700-1	150	MIL Circular Connector	8

Mechanical Drawing:



Mechanical Dimensions:

Current Ratings (A)	A	B	C	D	E	F	L
6	170	130	75	170	120	150	6
10	220	130	75	170	150	150	7
20	220	130	75	170	150	150	7
30	220	130	75	170	150	150	7
40	220	130	75	170	150	150	7
50	220	130	75	170	150	150	7
60	220	130	75	170	150	150	7
75	300	150	90	190	250	170	9
80	300	150	90	190	250	170	9
100	300	150	90	190	250	170	9
125	300	150	90	190	250	170	9
150	300	150	90	190	250	170	9

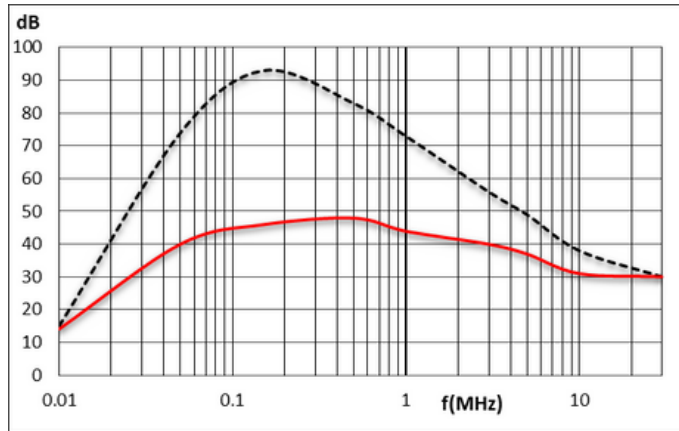
Note: All dimensions in mm; Tolerances according to ISO2768-C

Insertion Loss Graph: 3 Lines

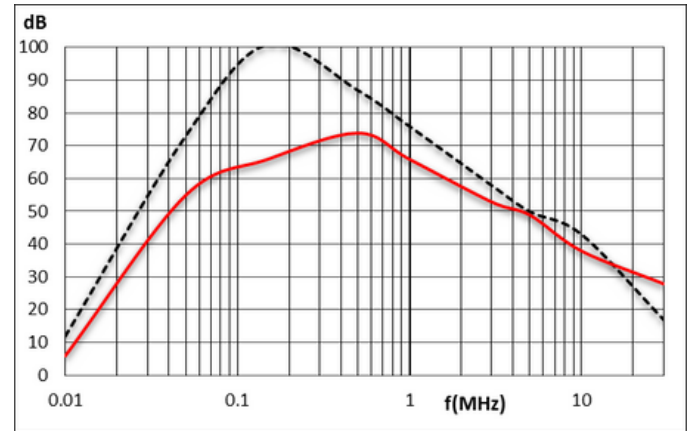
..... Common mode ——— Differential Mode

Per CISPR 17; C=50Ω/50Ω D=50Ω/50Ω

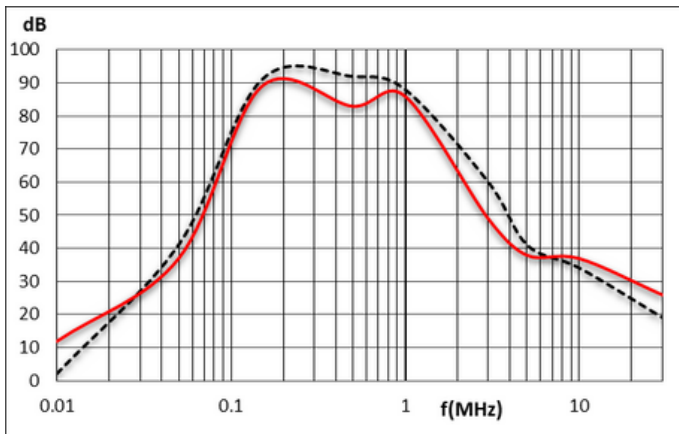
6A



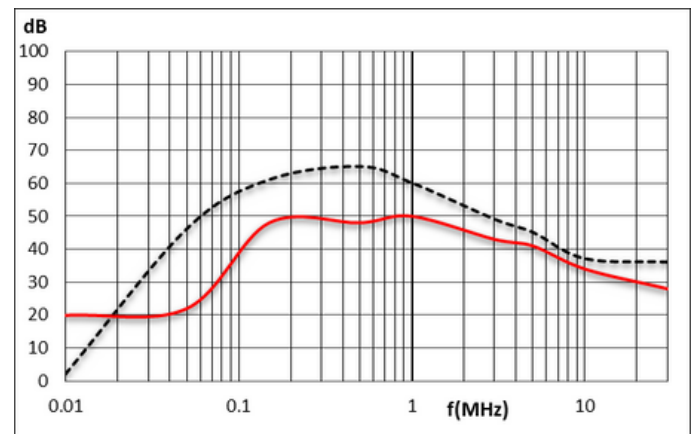
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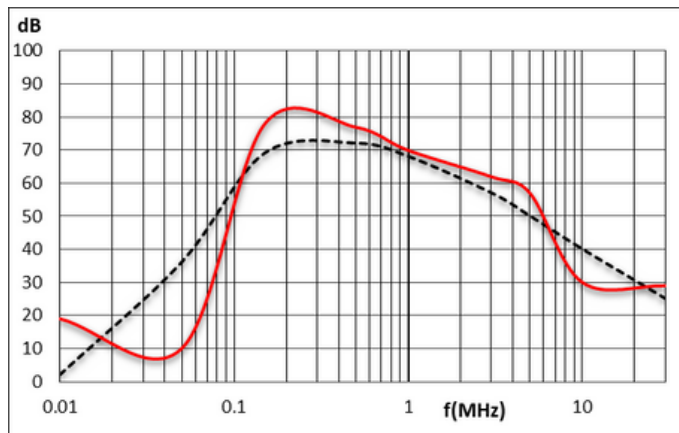
20A



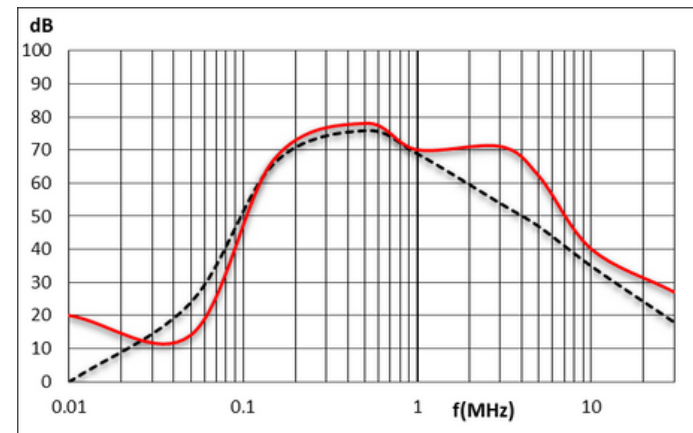
30A



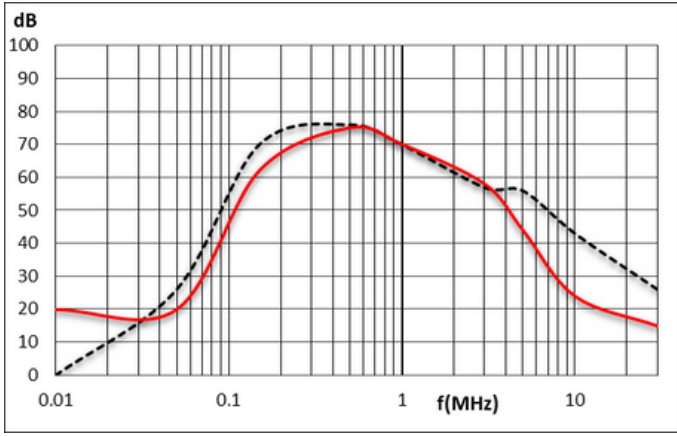
40A



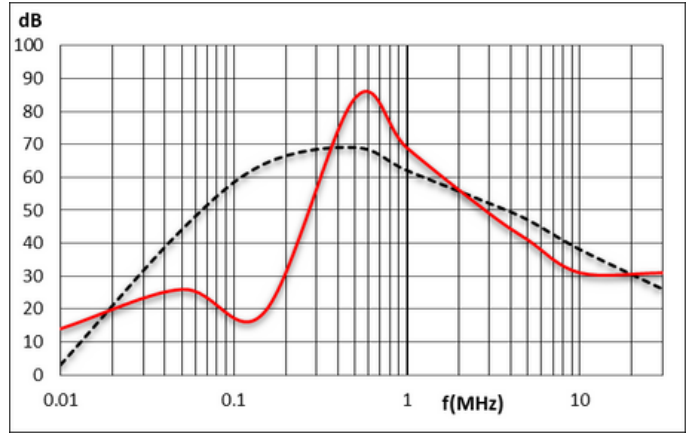
50A



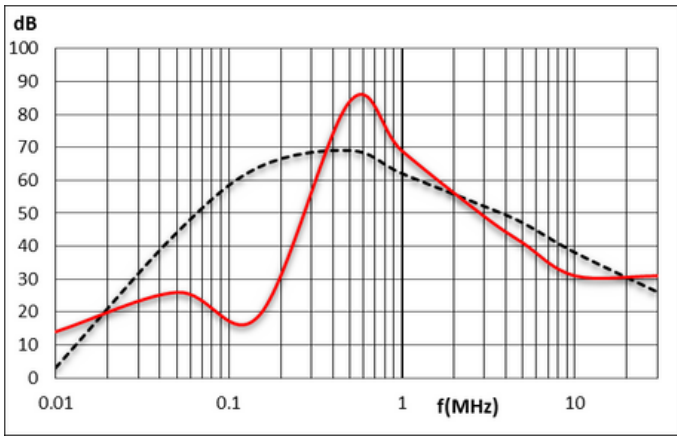
60A



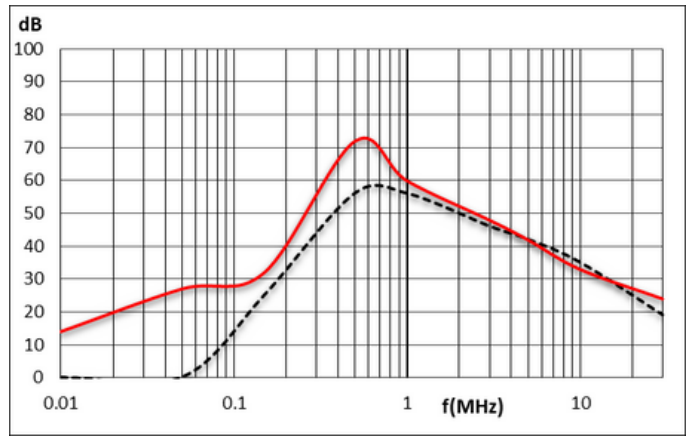
75A



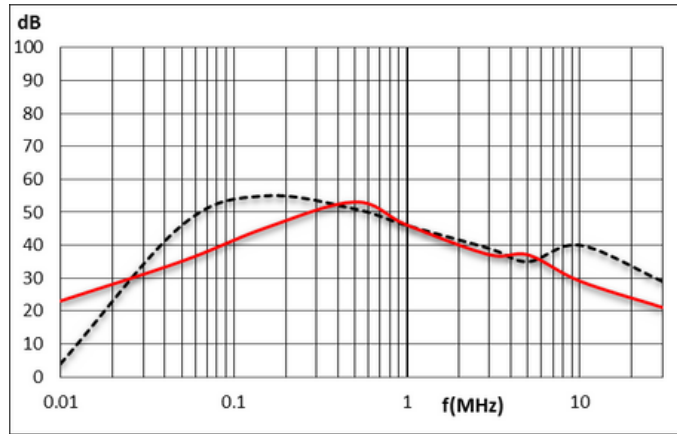
80A



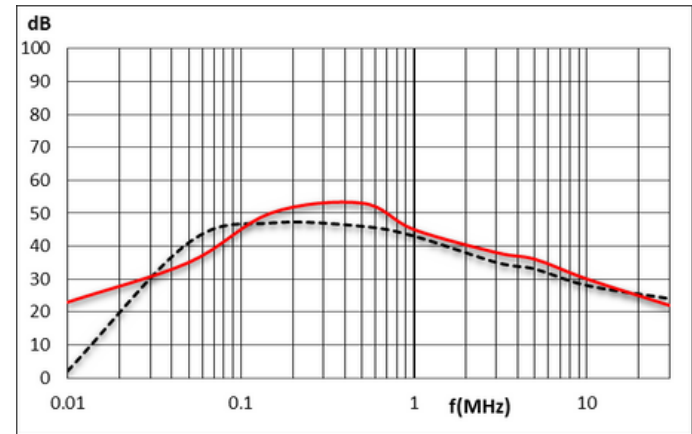
100A



125A



150A

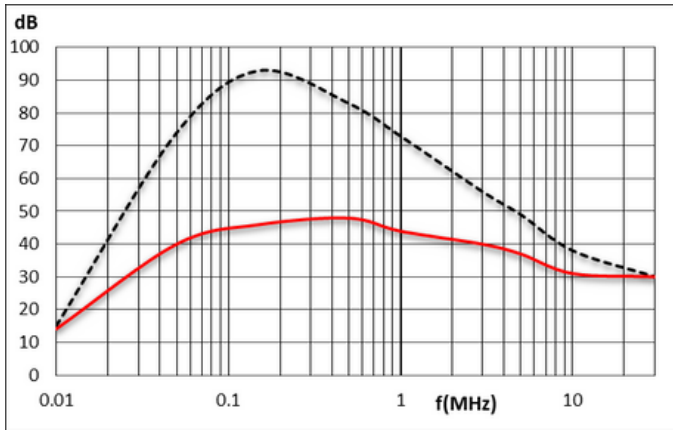


Insertion Loss Graph: 4 Lines

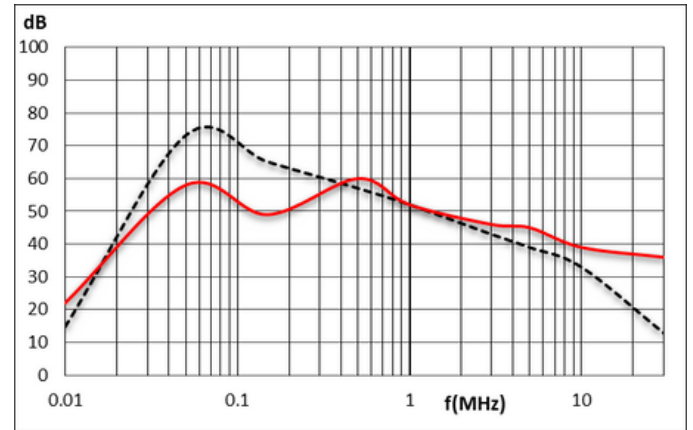
..... Common mode ——— Differential Mode

Per CISPR 17; C=50Ω/50Ω D=50Ω/50Ω

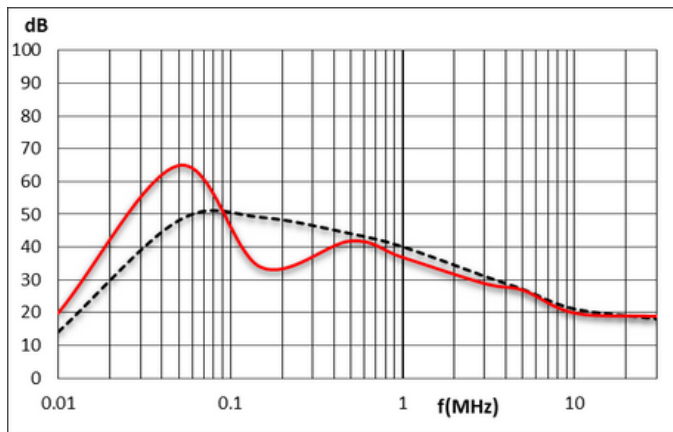
6A



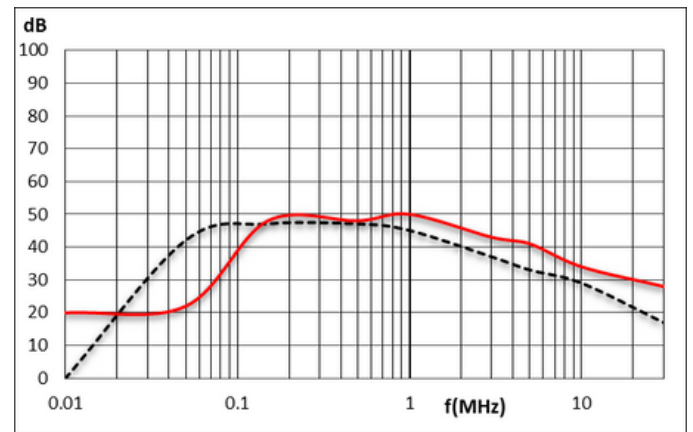
10A



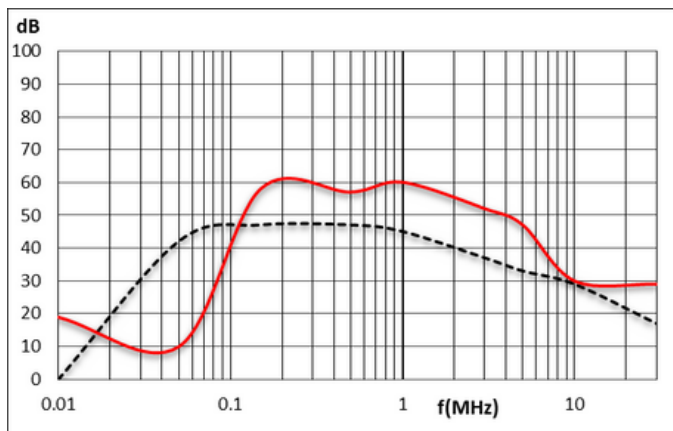
20A



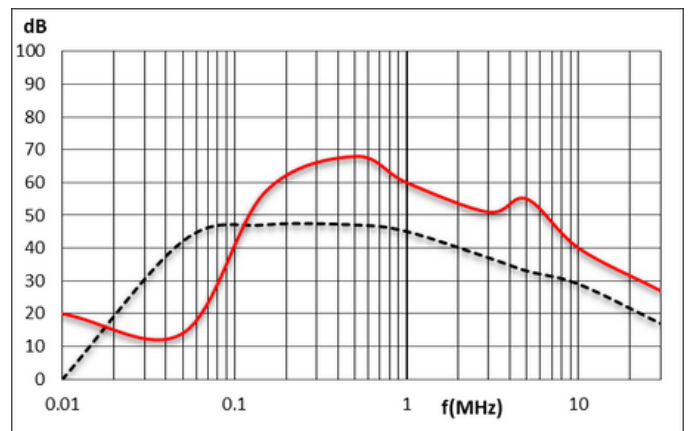
30A



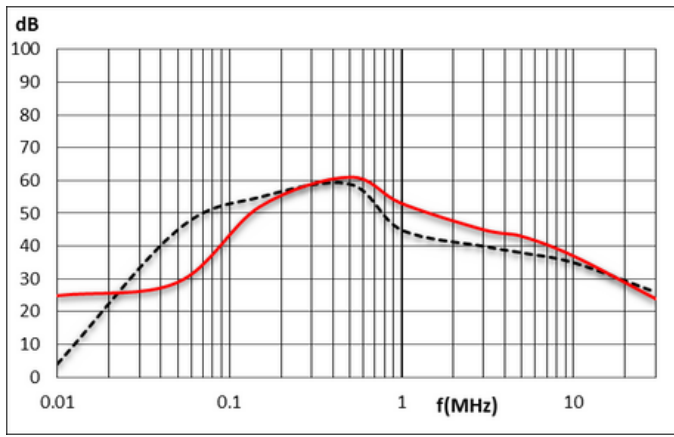
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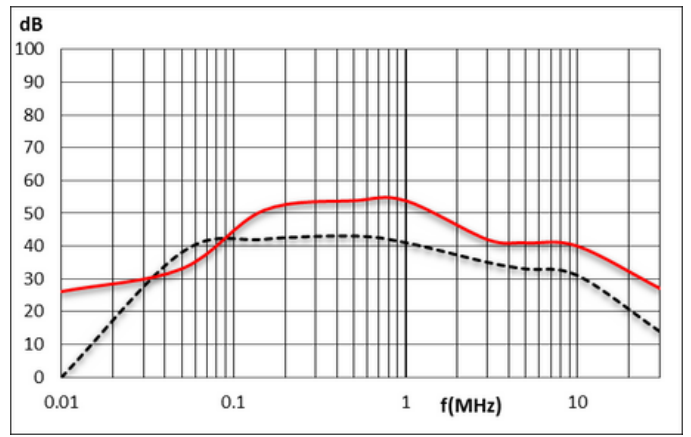
50A



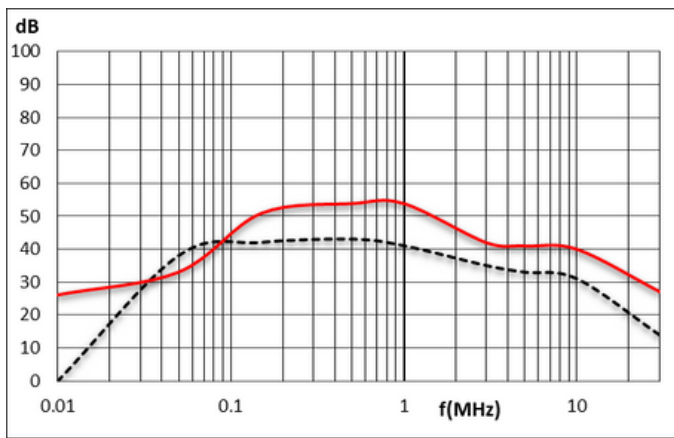
60A



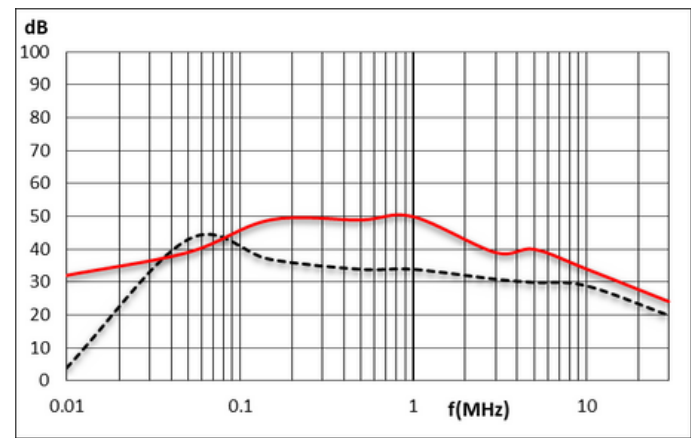
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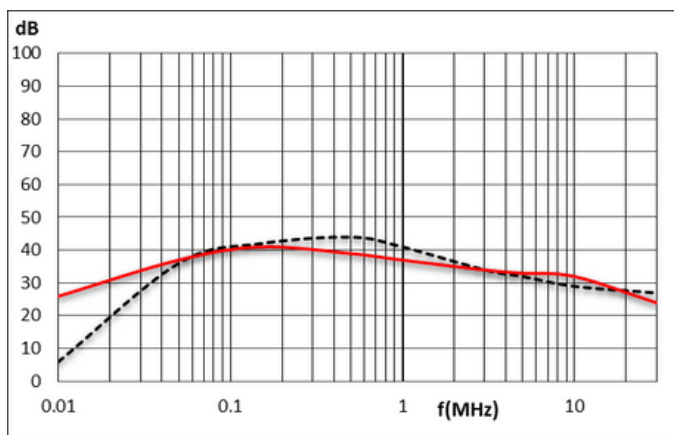
80A



100A



125A



150A

