

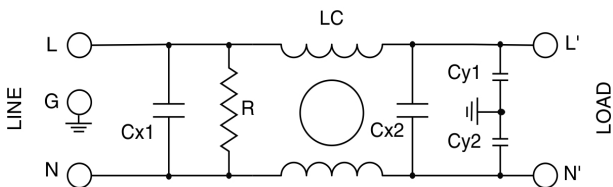
Features

- Very High Performance
- Rated up to 50A
- Chassis mounting
- General Purpose

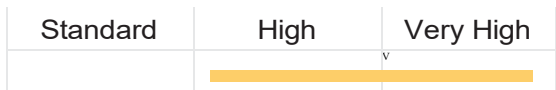
Applications

- Power Systems
- Electronic Equipment
- Stepper motor drives
- UPS/Inverters

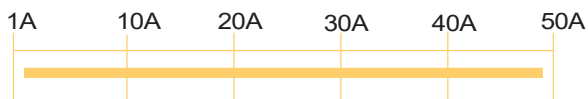
Typical Circuit Diagram



Performance Indicator



Rated current [A]





Approvals & Compliances



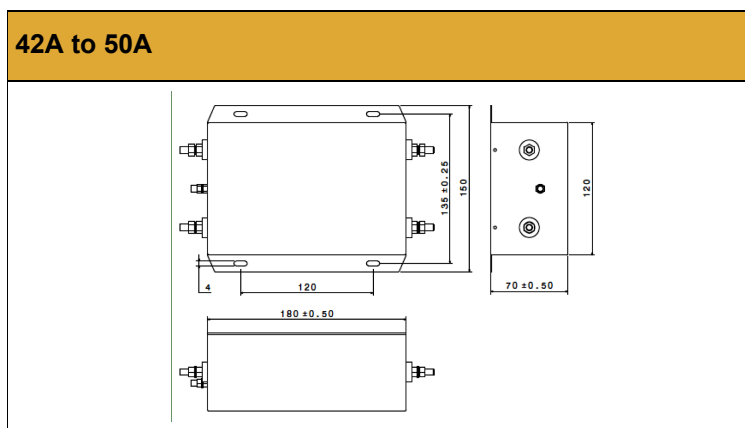
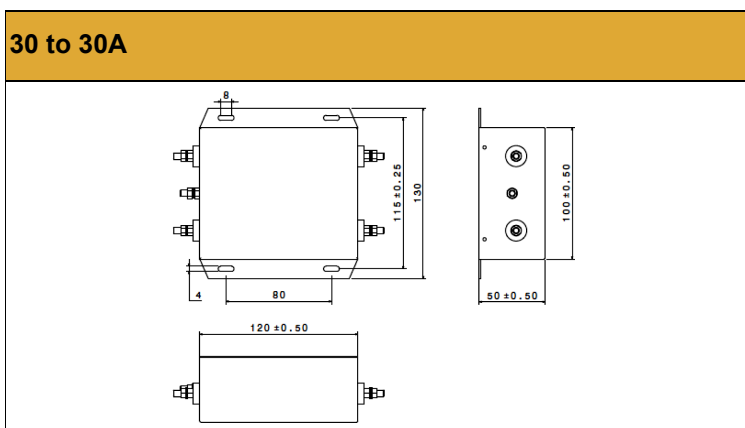
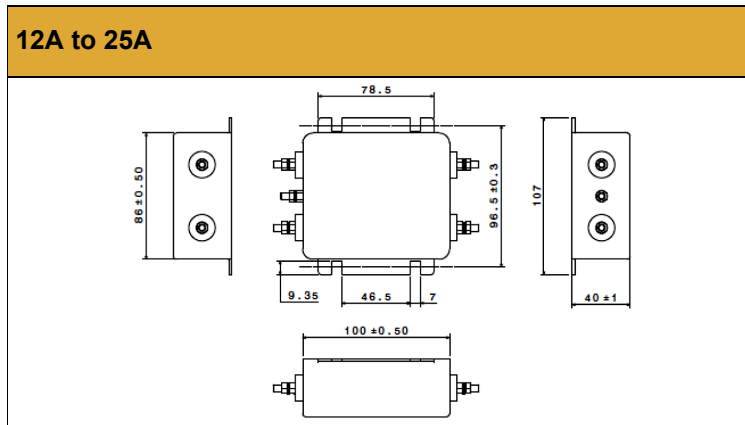
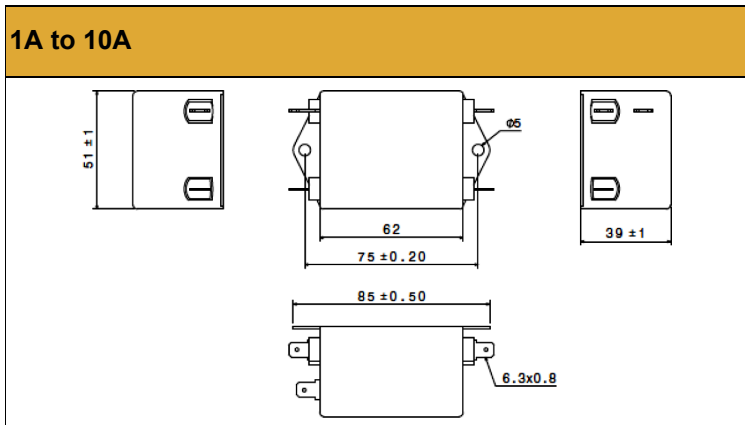
Technical Specifications

Maximum Continuous Operating Voltage	250VAC, 50/60Hz(UL Approval) 250VDC
Operating Frequency	DC to 400Hz
Current ratings	1A to 50A@40°C
High Potential test voltage	L to G 2250VDC for 1 Minute L to L 1450VDC for 1 Minute
Overload Capability	135% of Rated current for 15 minutes
Design Corresponding to	UL 60939-3, CSA 22.2 No.8-13 and IEC60939-1&2
Flammability corresponding to	UL 94 V-0
Temperature range	-25°C to +85°C
Climatic Category	25/85/21

Selection Table

Available Part Numbers	Rated Current @40°C	Leakage Current (mA) @250VAC/50Hz	Termination		Weight (g)
			 6.3x0.8		
AMI-1630-1-1	1A	0.74	1		250
AMI-1630-2-1	2A	0.74	1		250
AMI-1630-3-1	3A	0.74	1		250
AMI-1630-5-1	5A	0.74	1		250
AMI-1630-6-1	6A	0.74	1		250
AMI-1630-10-1	10A	0.74	1		250
AMI-1630-12-M5	12A	0.74		M5	650
AMI-1630-15-M5	15A	0.74		M5	650
AMI-1630-16-M5	16A	0.74		M5	650
AMI-1630-18-M5	18A	0.74		M5	650
AMI-1630-20-M5	20A	0.74		M5	650
AMI-1630-25-M5	25A	0.74		M5	650
AMI-1630-30-M5	30A	0.74		M5	1000
AMI-1630-32-M5	32A	0.74		M5	1000
AMI-1630-35-M5	35A	0.74		M5	1000
AMI-1630-40-M5	40A	0.74		M5	1000
AMI-1630-42-M6	42A	0.74		M6	2000
AMI-1630-45-M6	45A	0.74		M6	2000
AMI-1630-47-M6	47A	0.74		M6	2000
AMI-1630-50-M6	50A	0.74		M6	2000

Mechanical Drawing



For Screw Type

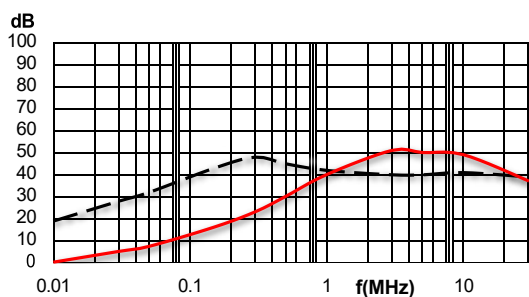
Thread	M5	M6
Recommended Torque (Nm)	2.0-2.2	3.5-4.0
Earth terminal (Nm)	2.0-2.2	3.5-4.0

Typical Insertion Loss

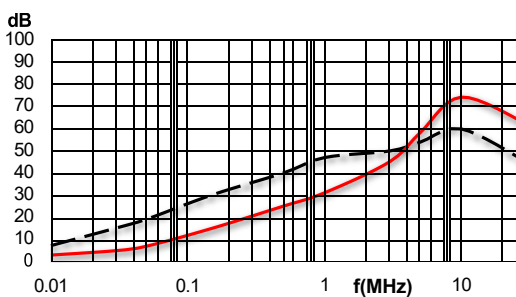
According to CISPR17 in 50 Ω system

— Common Mode / Asymmetrical (L-G)
 — Differential Mode / Symmetrical (L-L)

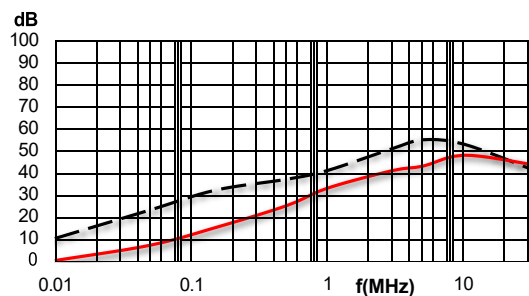
1A



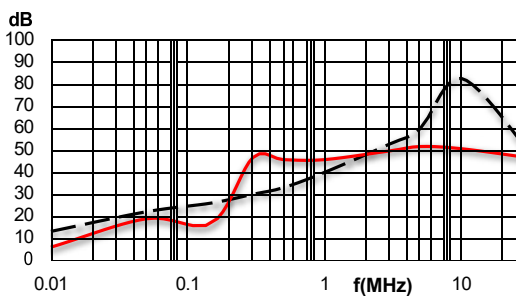
2A



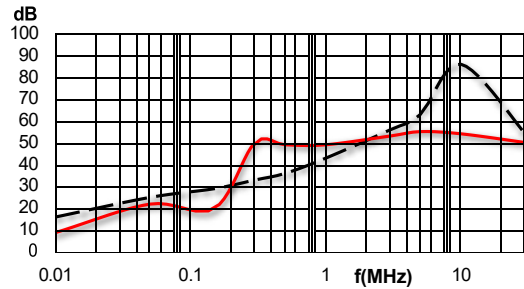
3A



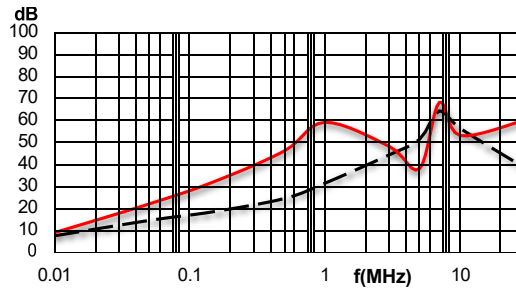
5A



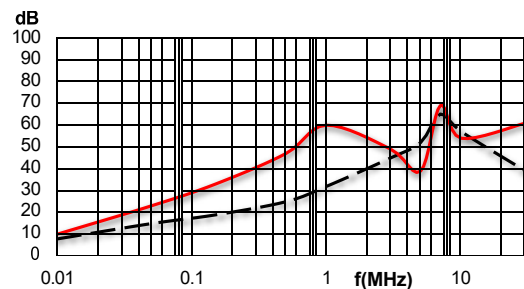
6A



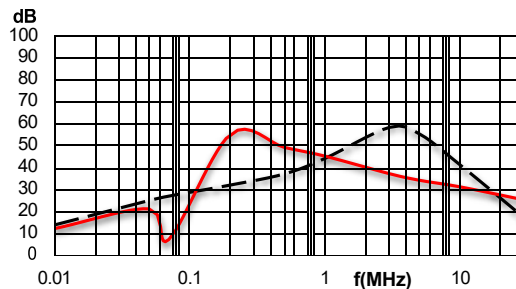
10A



12A



15A

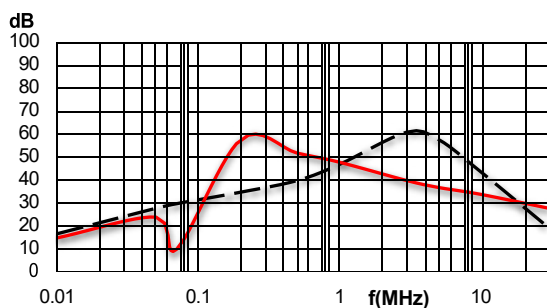


Typical Insertion Loss

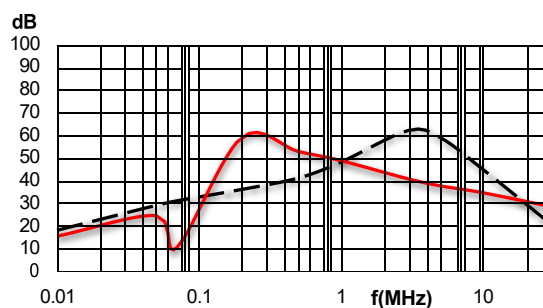
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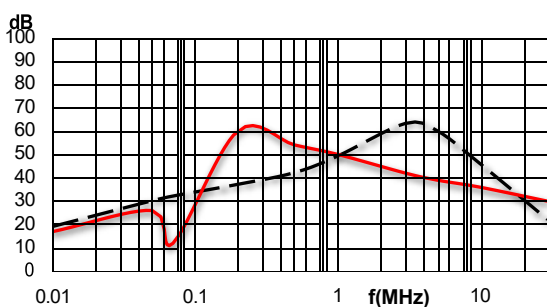
16A



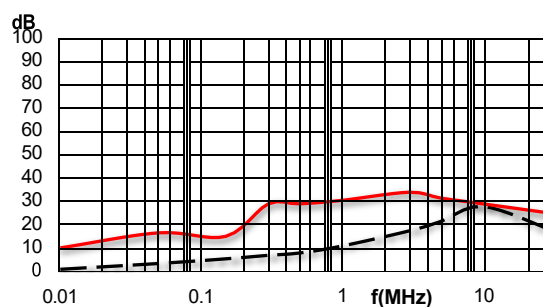
18A



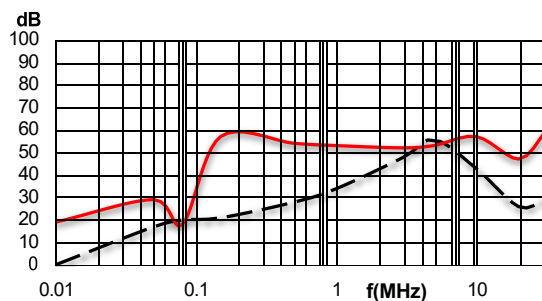
20A



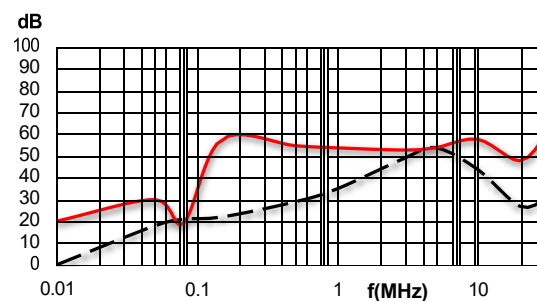
25A



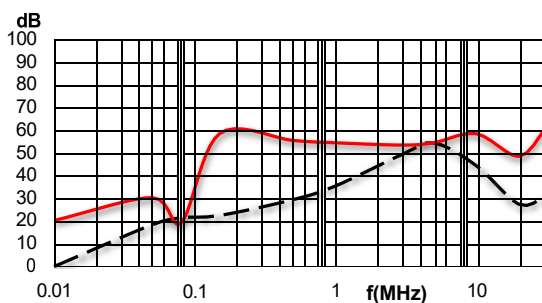
32A



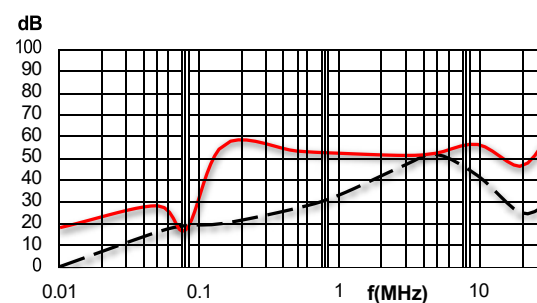
35A



40A



42A



Typical Insertion Loss

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— Common Mode / Asymmetrical (L-G)
 — Differential Mode / Symmetrical (L-L)

