

Overview

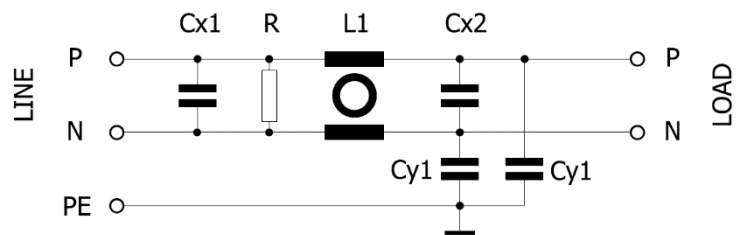
General purpose, single phase filter series with medium/high attenuation. Chassis mount for fast mounting, metal case filled with self-extinguishing resin. Fast-on or screw terminals available and options with flexible wire connections. Medical versions available without y-capacitors for no leakage current.

RoHS
Compliant

Technical specifications

Item	Parameters/ Characteristics
Rated Voltage	300 VAC/VDC
Rated Frequency	50 - 60 Hz
Rated Current	1 - 32 A
Rated Temperature	40°C
Temperature range	-25°C to 100°C
Climate Category	25/100/21
Voltage Test	P -> N 1300 VDC P/N -> E 2250 VDC

Typical electrical schematics



Components

Part Number	Rated Current @ 40°C (A)	Leakage Current *) (mA)	C _{x1} (μF)	R (MΩ)	L1 (mH)	C _{y1} (nF)	C _{x2} (μF)
FLLE2001AQ(1)(2)	1	0.37	0.15	1	12	4.7	0.15
FLLE2003AQ(1)(2)	3	0.37	0.15	1	2.5	4.7	0.15
FLLE2006AQ(1)(2)	6	0.37	0.15	1	1	4.7	0.15
FLLE2010AQ(1)(2)	10	0.37	0.15	1	1	4.7	0.15
FLLE2013AQ(1)(2)	13	0.37	0.15	1	0.8	4.7	0.15
FLLE2016AQ(1)(2)	16	0.37	0.15	1	0.8	4.7	0.15
FLLE2020AQ(1)(2)	20	0.37	0.15	1	0.8	4.7	0.15
FLLE2025AQ(1)(2)	25	0.37	0.15	1	0.8	4.7	0.15
FLLE2032AQ(1)(2)	32	0.79	0.68	0.22	0.8	10	0.68

(1) D = Standard, M = Medical

(2) B = Fast-on (1-16A), I = Threaded (20-32A), D = Wire (1-32A)

*) Leakage current @ 250 VAC / 50 Hz acc. to IEC60939-3. Medical version without C_y-capacitors, no leakage current.

Approvals (pending)

Standard

IEC/EN 60939-3
ANSI/UL 60939-3-2016

Certification Body

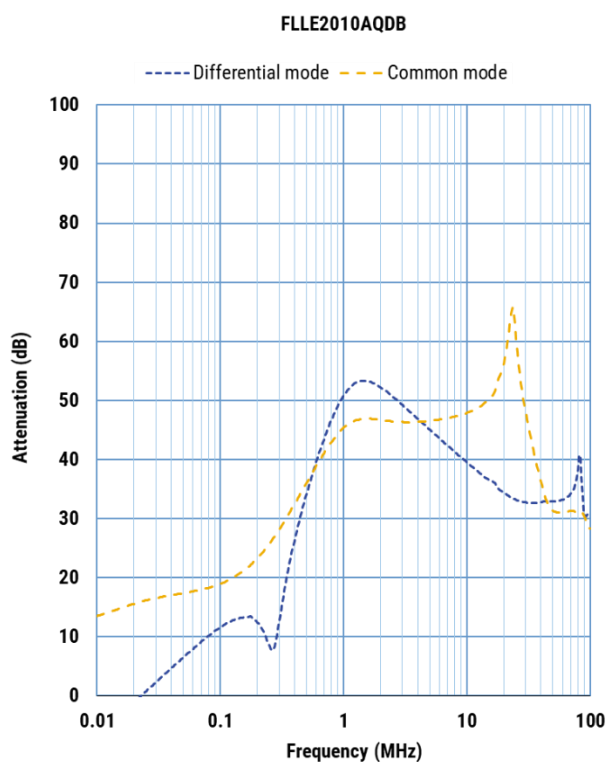
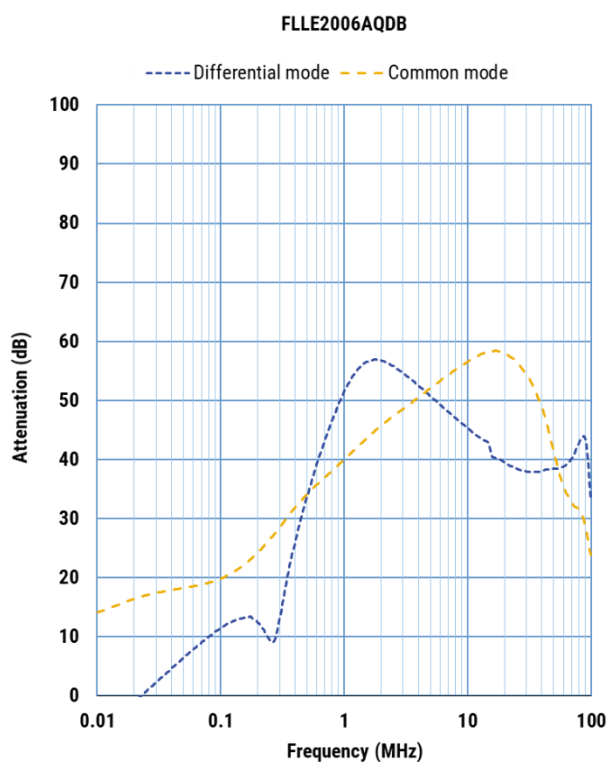
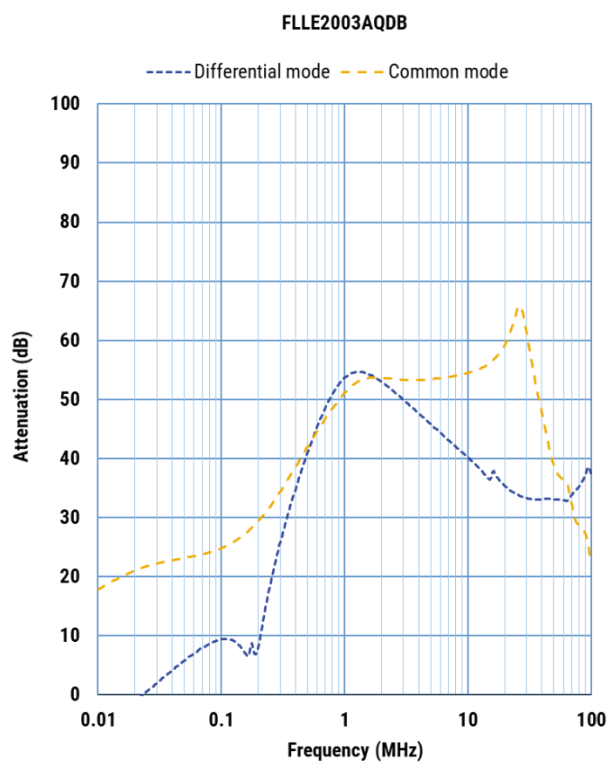
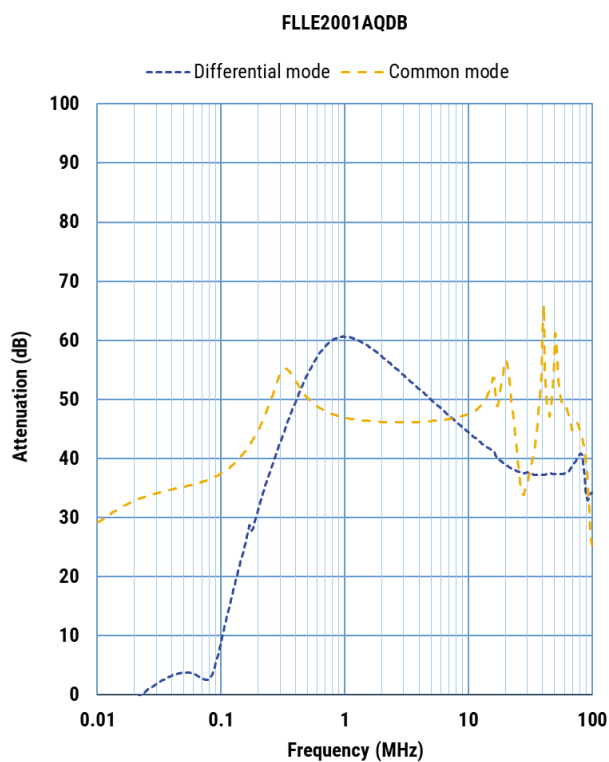
UL-Demko
UL

File

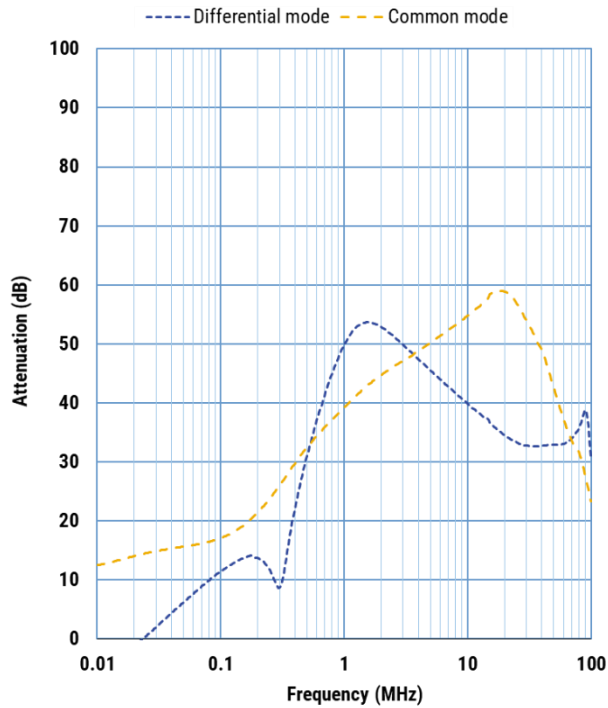
Pending
Pending



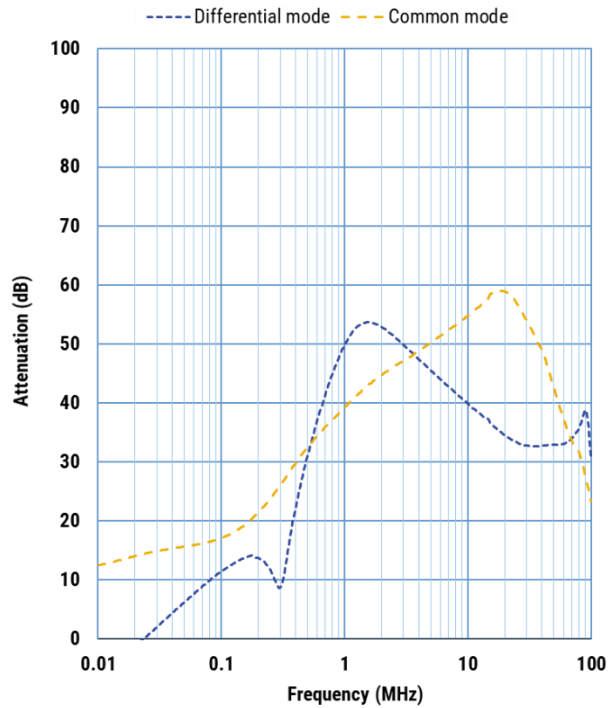
Typical insertion loss



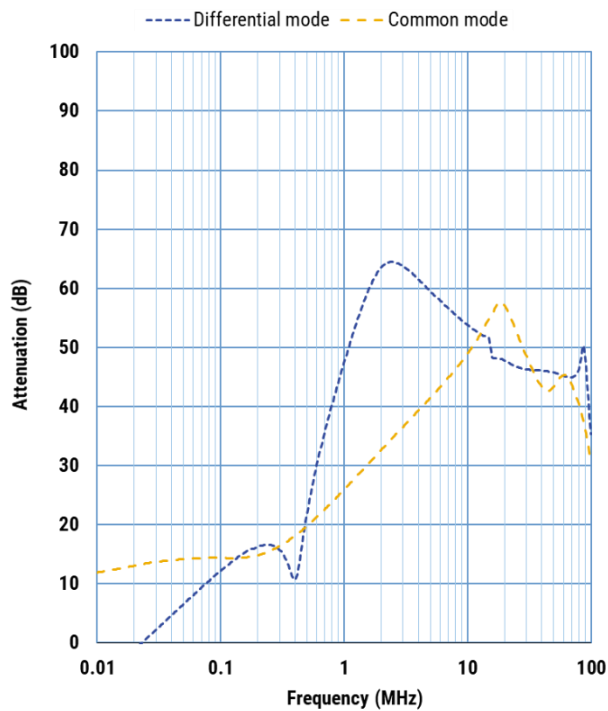
FLLE2013AQDB



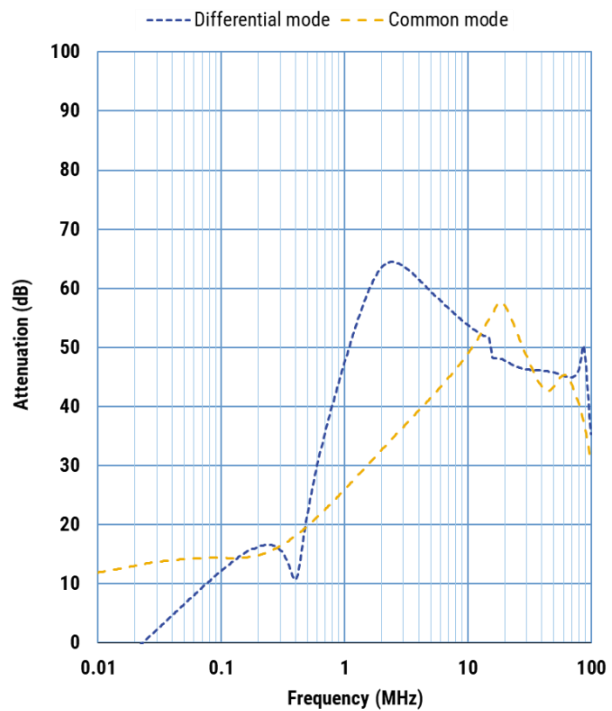
FLLE2016AQDB



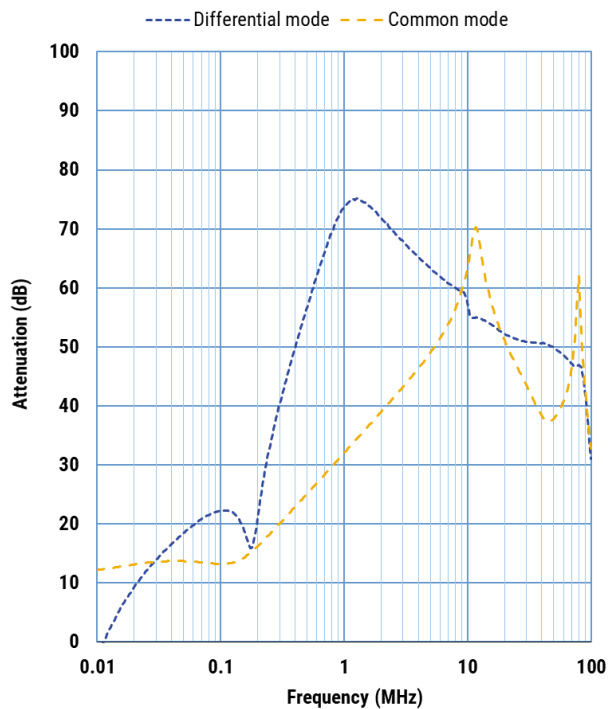
FLLE2020AQDI



FLLE2025AQDI



FLLE2032AQDI



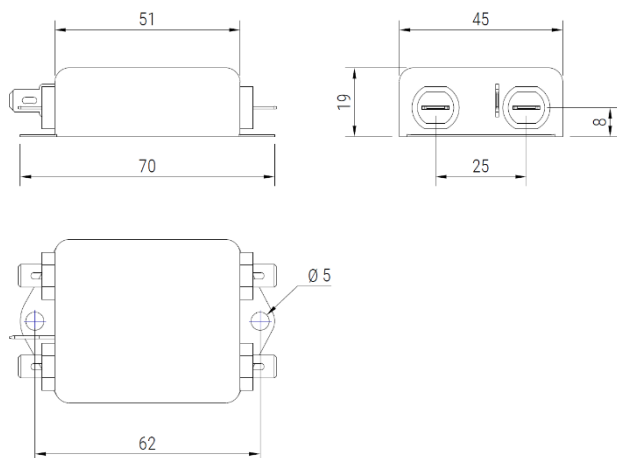
Mechanical dimensions

Part Number	L (mm)	W (mm)	H (mm)	Weight (g)	Fast-on Terminal	Threaded Terminal	Flexible Wire (mm ²)
FLLE2001AQ(1)(2)	51	45	19	95	6.3 x 0.8		0.75
FLLE2003AQ(1)(2)	51	45	19	95	6.3 x 0.8		0.75
FLLE2006AQ(1)(2)	51	45	19	95	6.3 x 0.8		1.5
FLLE2010AQ(1)(2)	51	45	28	130	6.3 x 0.8		1.5
FLLE2013AQ(1)(2)	51	45	28	140	6.3 x 0.8		1.5
FLLE2016AQ(1)(2)	51	45	28	140	6.3 x 0.8		2.5
FLLE2020AQ(1)(2)	65	50	40	290		M4 x 0.7	2.5
FLLE2025AQ(1)(2)	65	50	40	290		M4 x 0.7	2.5
FLLE2032AQ(1)(2)	91	51	45	415		M4 x 0.7	4

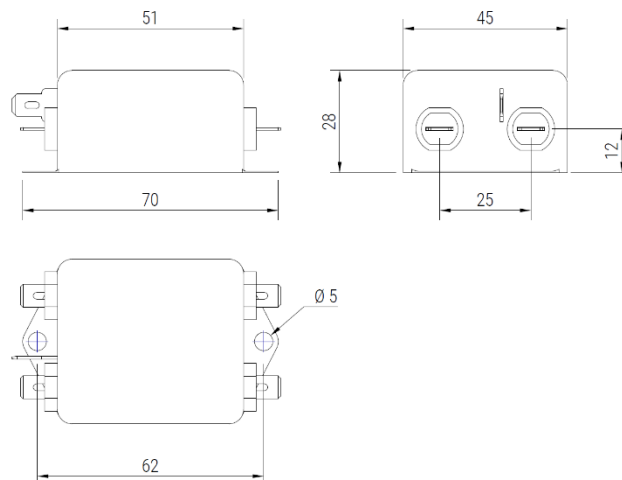
(1) D = Standard, M = Medical

(2) B = Fast-on, I = Threaded, D = Wire (Length = 140±5 mm)

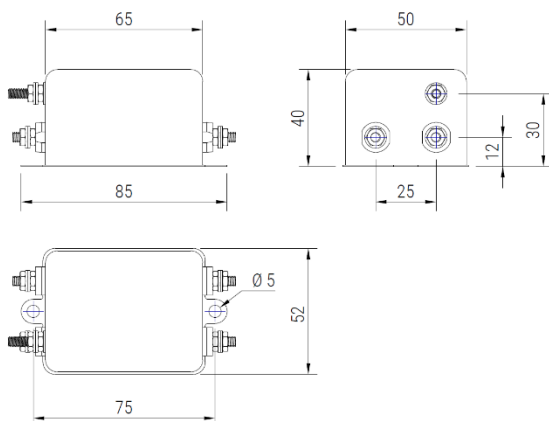
1A, 3A and 6A



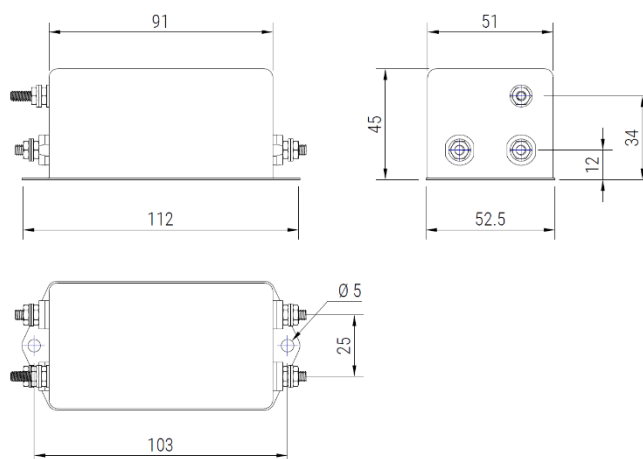
10A, 13A and 16A



20A and 25A



32A



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