

Overview

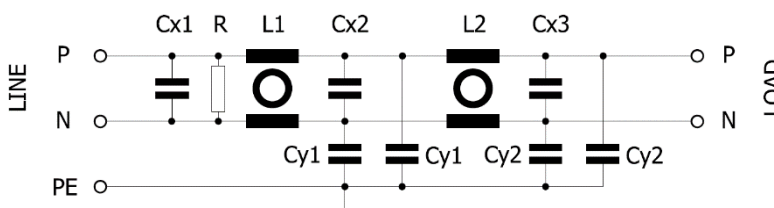
General purpose, single phase filter series with very high attenuation. Chassis mount for fast mounting, metal case filled with self-extinguishing resin. Fast-on or screw terminals available and options with flexible wire connections. Medical versions available without y-capacitors for no leakage current.

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)	L2 (mH)	C _{x3} (μF)	C _{y2} (nF)
FLLE2001AU(1)(2)	1	0.25	0.22	0.68	22	2.2	0.22	22	0.22	1
FLLE2003AU(1)(2)	3	0.25	0.33	0.47	14	2.2	0.33	14	0.33	1
FLLE2006AU(1)(2)	6	0.25	0.47	0.33	8	2.2	0.47	8	0.47	1
FLLE2010AU(1)(2)	10	0.34	0.47	0.33	8	3.3	0.47	8	0.47	1
FLLE2013AU(1)(2)	13	0.86	1	0.15	4	10	1	4	1	1
FLLE2016AU(1)(2)	16	0.86	1	0.15	4	10	1	4	1	1
FLLE2020AU(1)(2)	20	0.86	1	0.15	2.7	10	1	2.7	1	1
FLLE2025AU(1)(2)	25	0.86	1	0.15	2.7	10	1	2.7	1	1
FLLE2032AU(1)(2)	32	0.86	1	0.15	1.3	10	1	1.3	1	1

(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

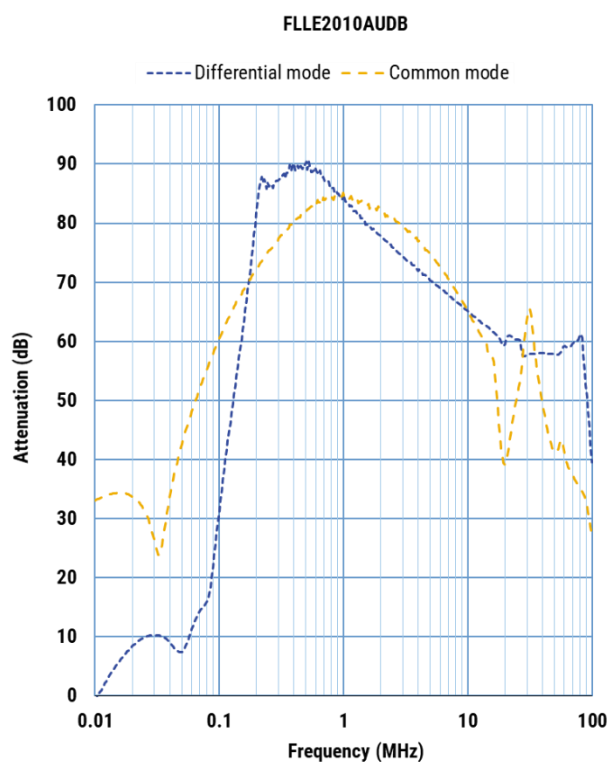
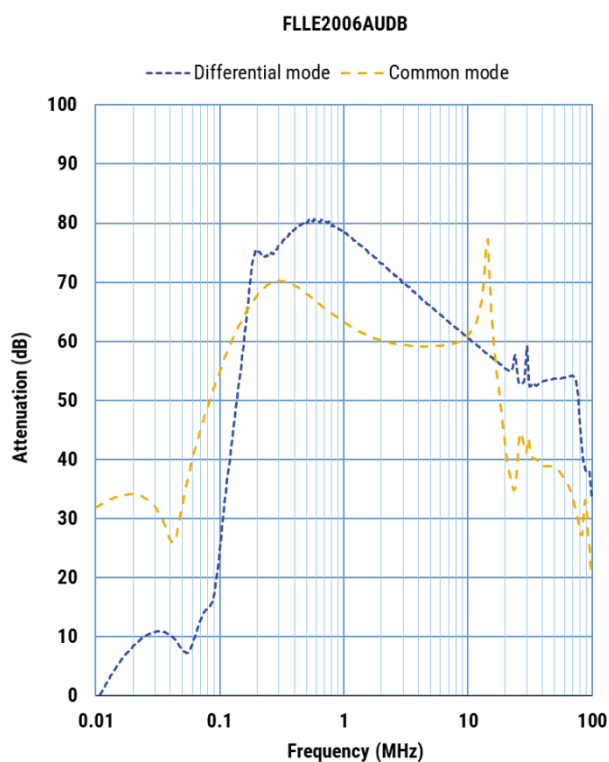
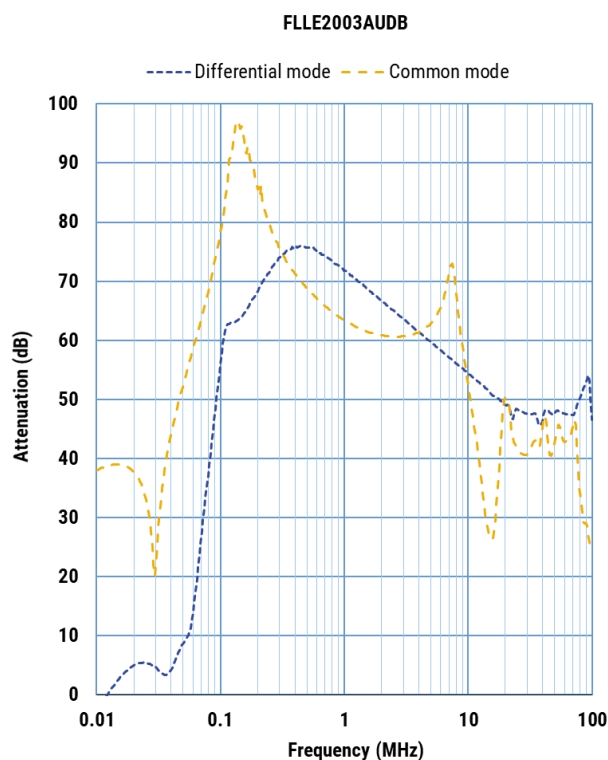
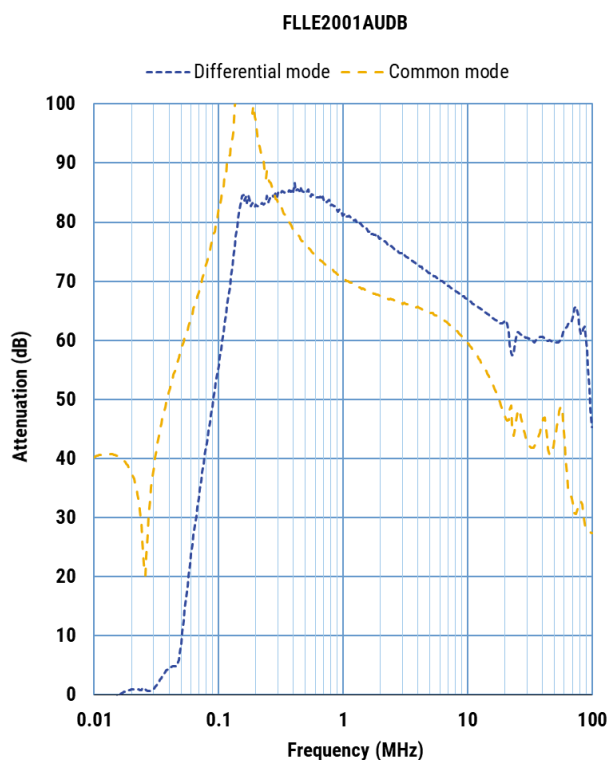
UL-Demko
UL

File

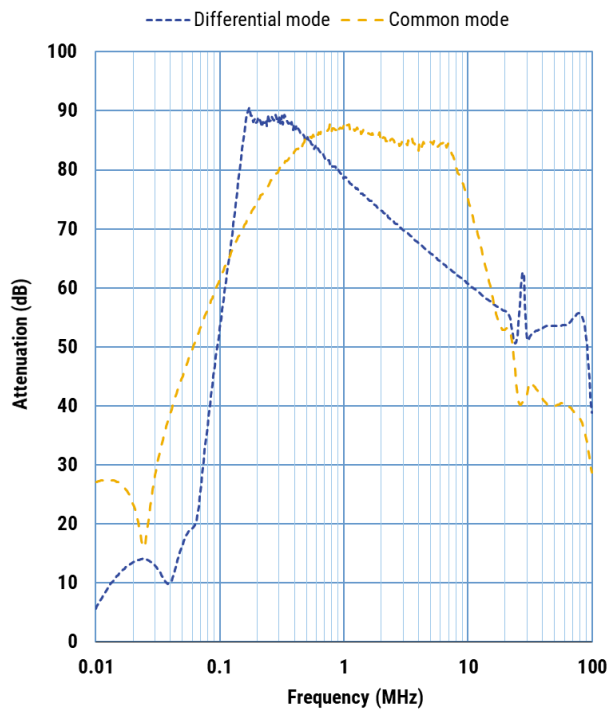
Pending
Pending



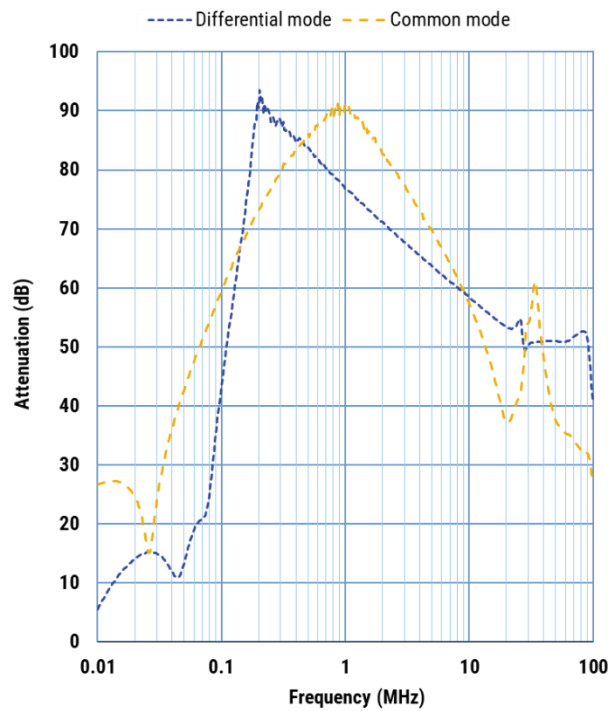
Typical insertion loss



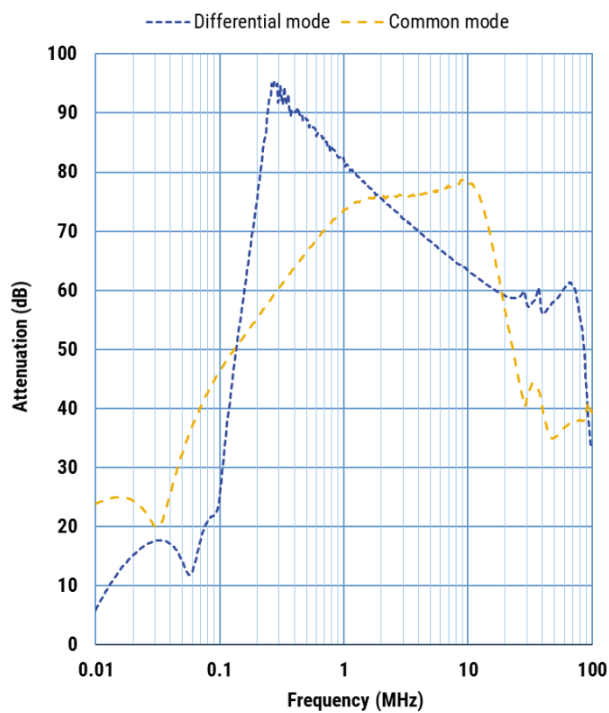
FLLE2013AUDB



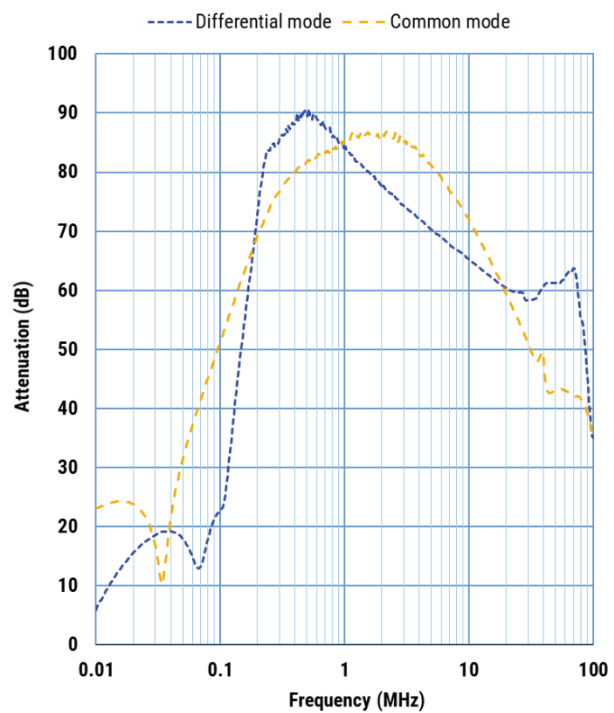
FLLE2016AUDB



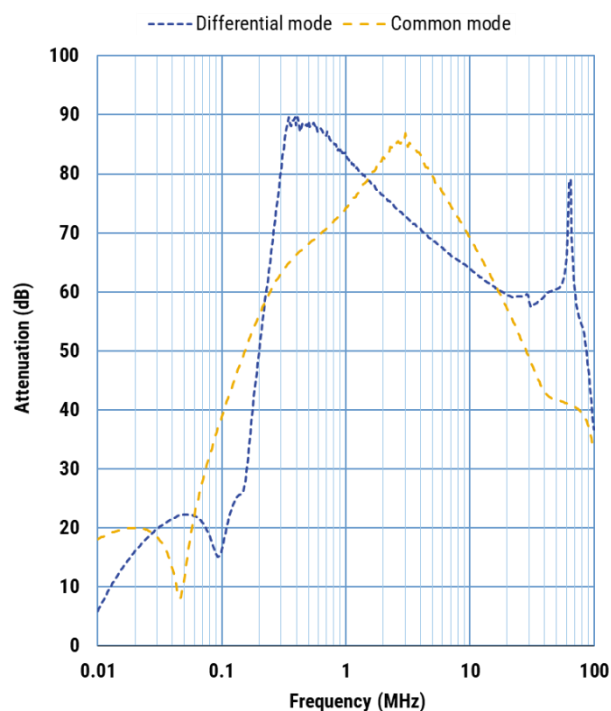
FLLE2020AUDI



FLLE2025AUDI



FLLE2032AUDI



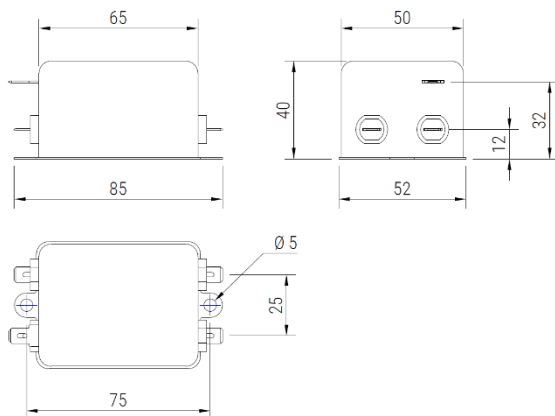
Mechanical dimensions

Part Number	L (mm)	W (mm)	H (mm)	Weight (g)	Fast-on Terminal	Threaded Terminal	Flexible Wire (mm ²)
FLLE2001AU(1)(2)	65	50	40	230	6.3 x 0.8		0.75
FLLE2003AU(1)(2)	65	50	40	270	6.3 x 0.8		0.75
FLLE2006AU(1)(2)	91	51	45	425	6.3 x 0.8		1.5
FLLE2010AU(1)(2)	130.5	56.5	48.5	695	6.3 x 0.8		1.5
FLLE2013AU(1)(2)	130.5	56.5	48.5	695	6.3 x 0.8		1.5
FLLE2016AU(1)(2)	130.5	56.5	48.5	700	6.3 x 0.8		2.5
FLLE2020AU(1)(2)	130.5	56.5	48.5	740		M4 x 0.7	2.5
FLLE2025AU(1)(2)	130.5	56.5	48.5	800		M4 x 0.7	2.5
FLLE2032AU(1)(2)	130.5	56.5	48.5	800		M4 x 0.7	4

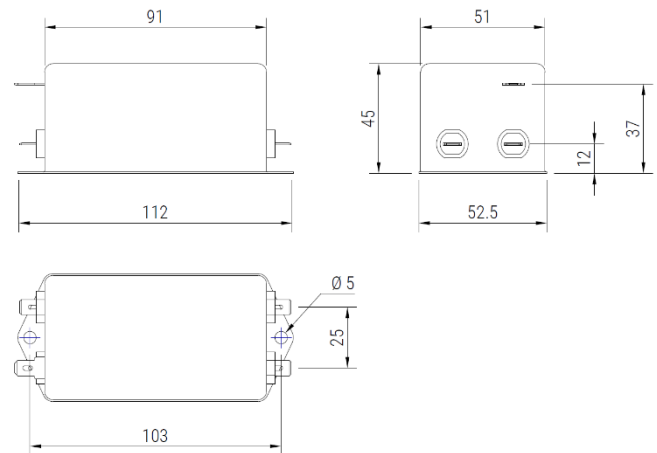
(1) D = Standard, M = Medical

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

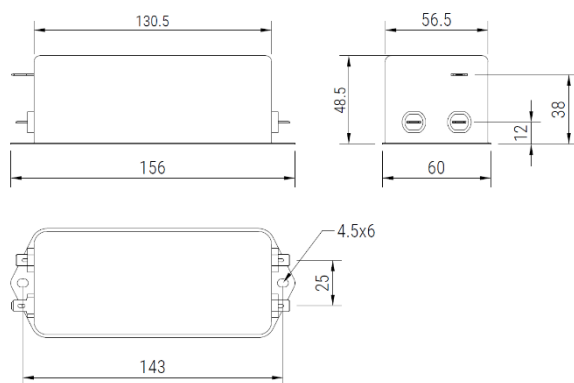
1A and 3A



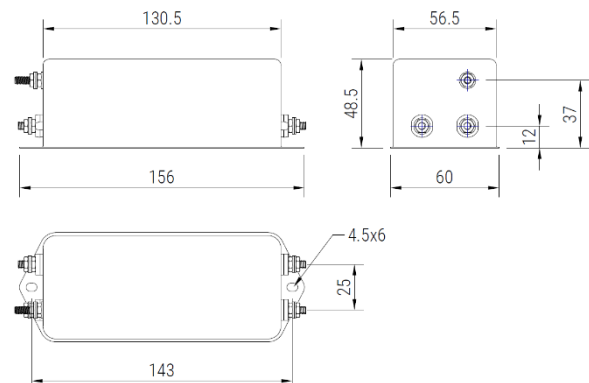
6A



10A, 13A and 16A



20A, 25A and 32A



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Although we design and manufacture our products to the most stringent quality and safety standards, given the current state of the art, isolated component failures may still occur. Accordingly, customer applications which require a high degree of reliability or safety should employ suitable designs or other safeguards (such as installation of protective circuitry or redundancies) in order to ensure that failure of an electrical component does not result in a risk of personal injury or property damage.

Although all product-related warnings, cautions and notes must be observed, the customer should not assume that all safety measures are indicated or that other measures may not be required.