

### Overview

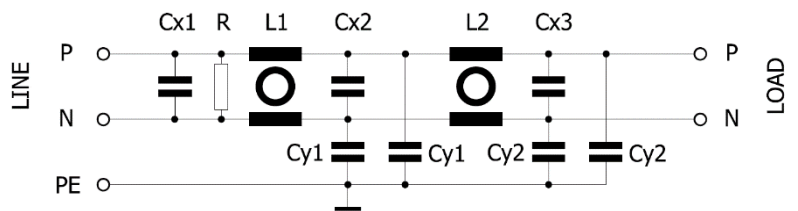
General purpose, single phase filter series with very high attenuation. Chassis mount for fast mounting, metal case filled with self-extinguishing resin. Fast-on or screw terminals available and options with flexible wire connections. Medical versions available without y-capacitors for no leakage current.

**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 <sub>x1</sub> (μF)	R (MΩ)	L1 (mH)	C <sub>y1</sub> (nF)	C <sub>x2</sub> (μF)	L2 (mH)	C <sub>x3</sub> (μF)	C <sub>y2</sub> (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<sub>y</sub>-capacitors, no leakage current.

Approvals (pending)

**Standard**

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

**Certification Body**

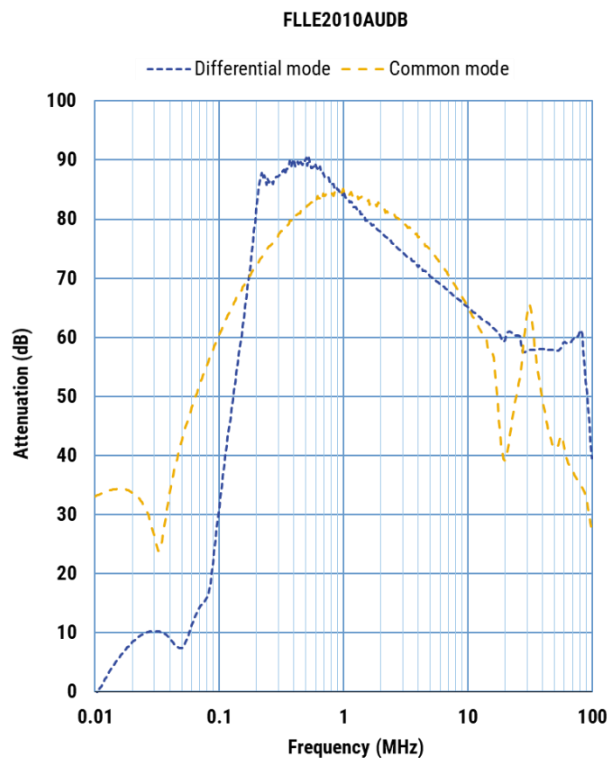
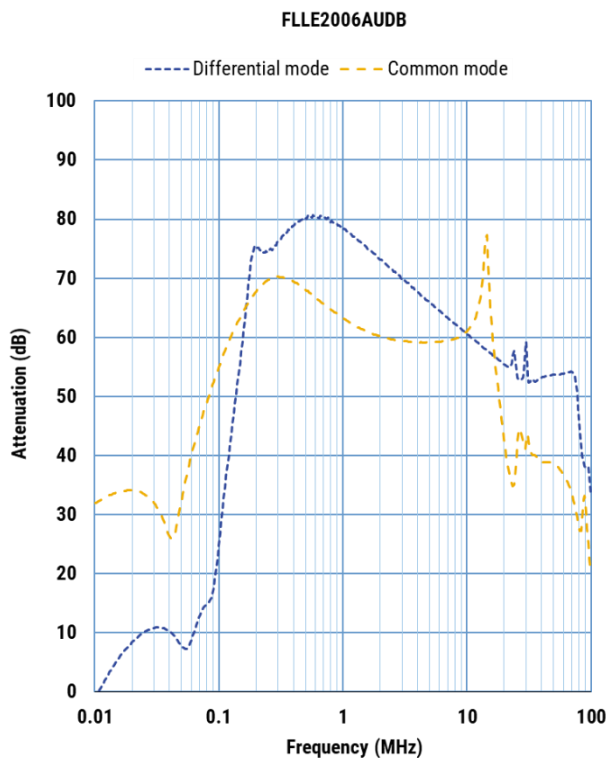
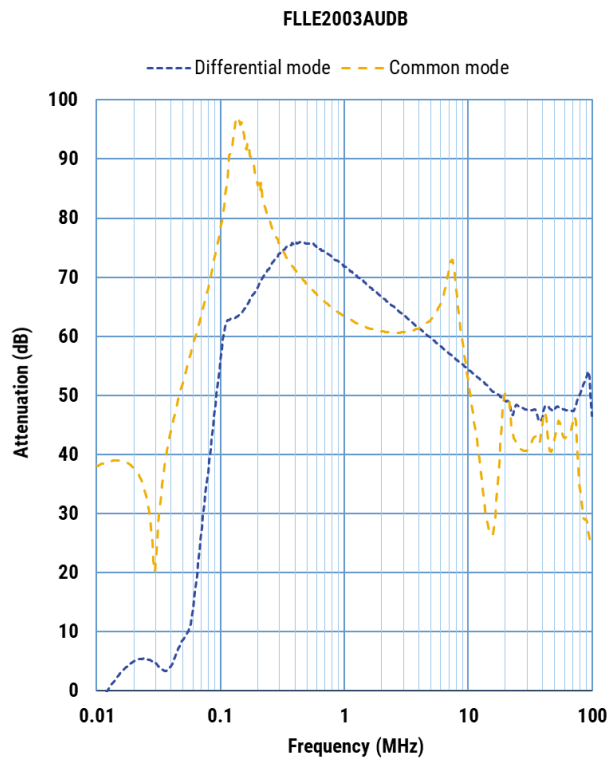
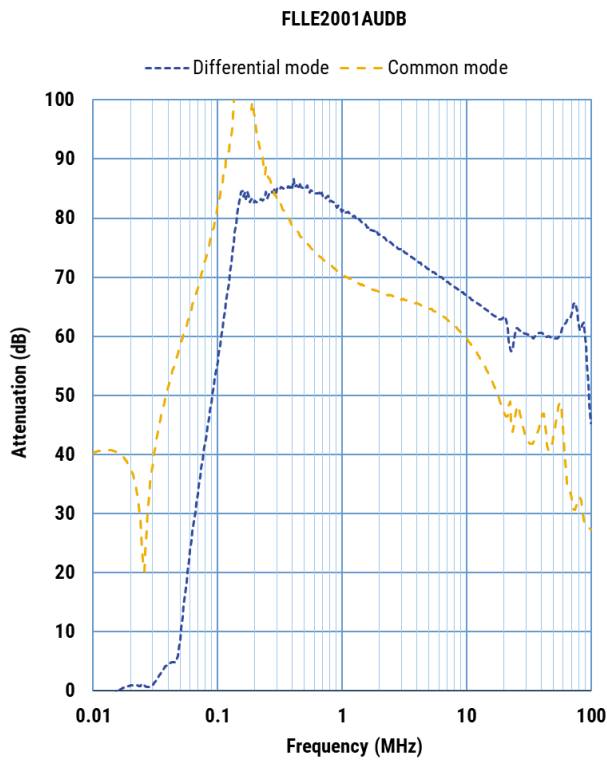
UL-Demko  
 UL

**File**

Pending  
 Pending

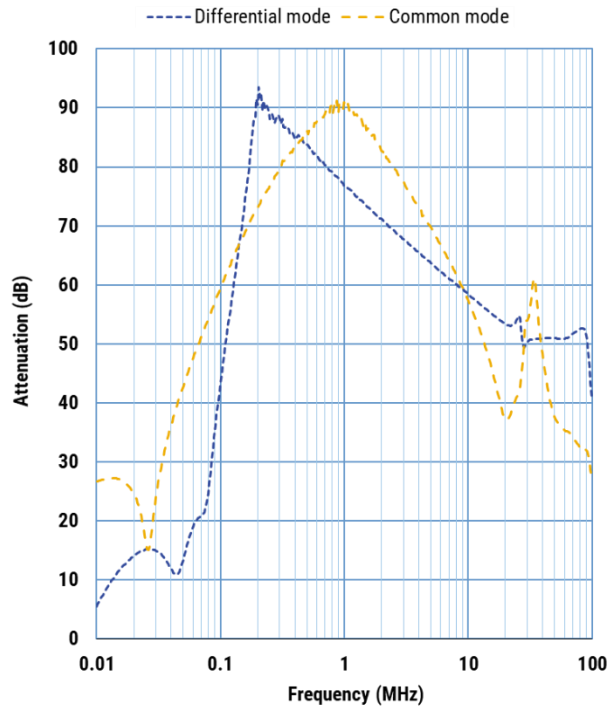
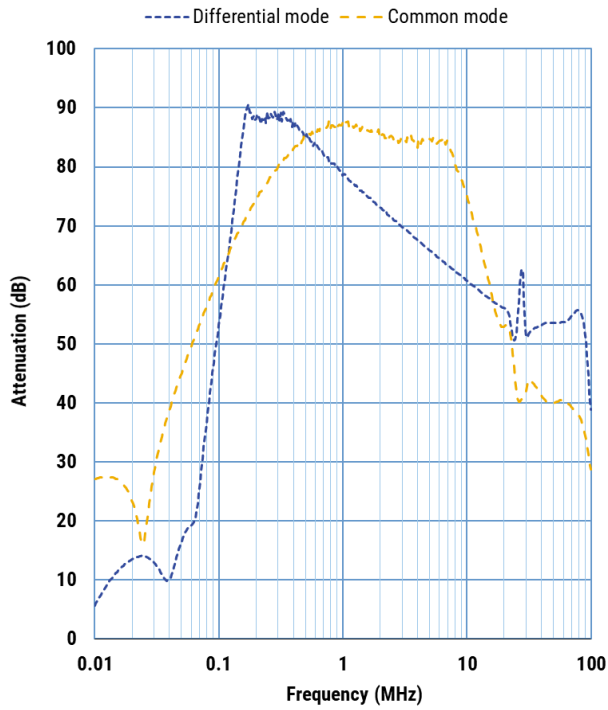


Typical insertion loss



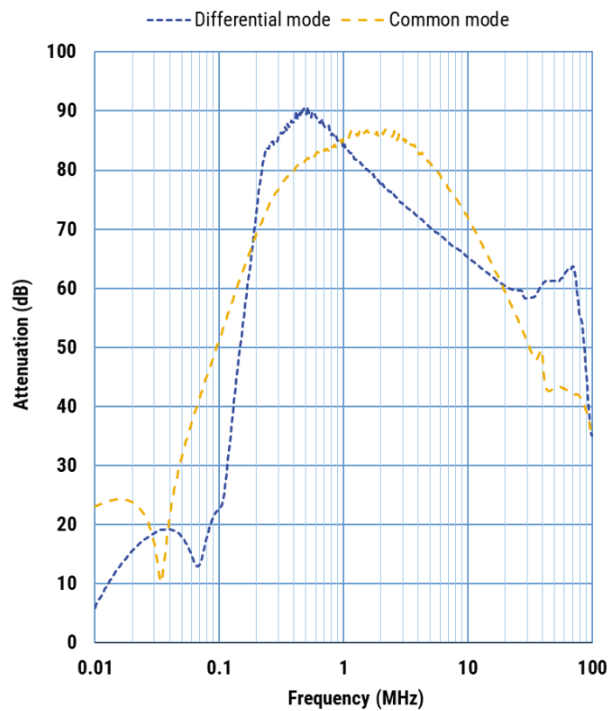
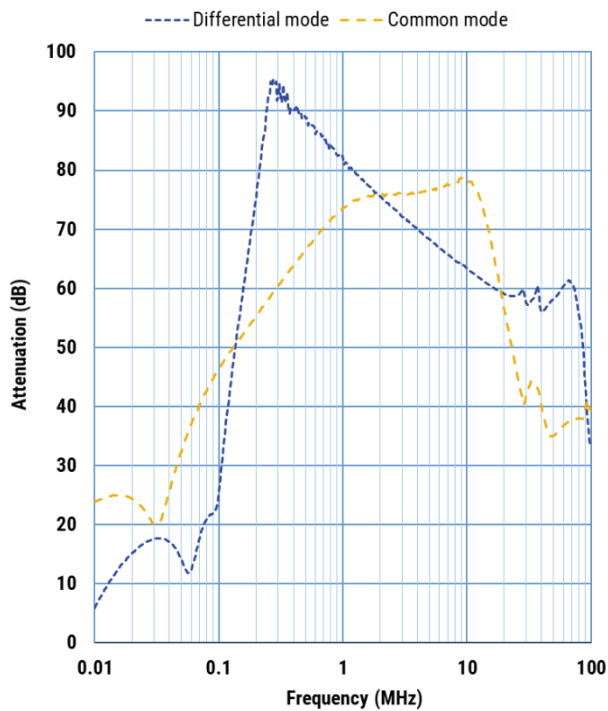
FLLE2013AUBB

FLLE2016AUBB

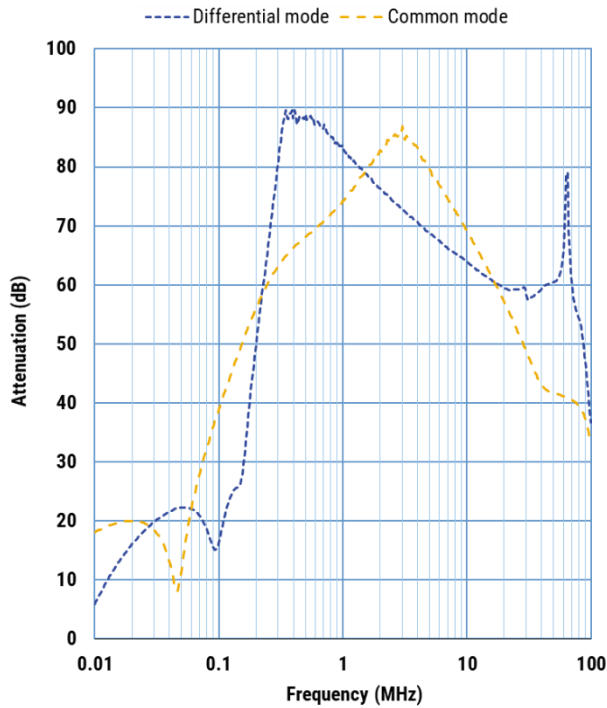


FLLE2020AUDI

FLLE2025AUDI



FLLE2032AUDI



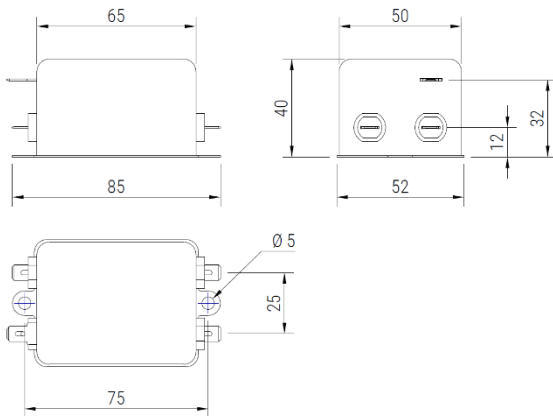
### Mechanical dimensions

Part Number	L (mm)	W (mm)	H (mm)	Weight (g)	Fast-on Terminal	Threaded Terminal	Flexible Wire (mm <sup>2</sup> )
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

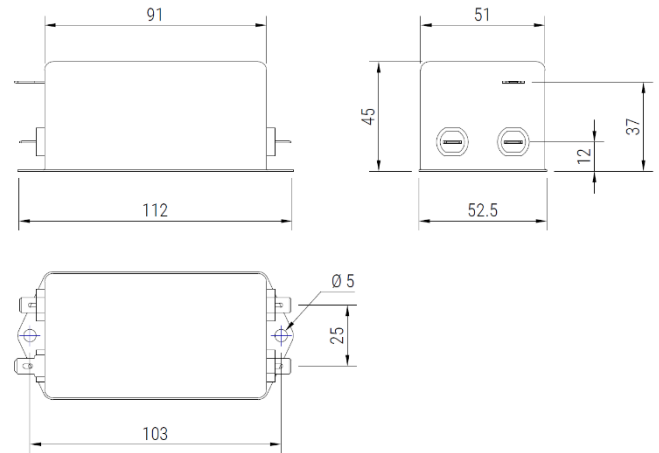
(1) D = Standard, M = Medical

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

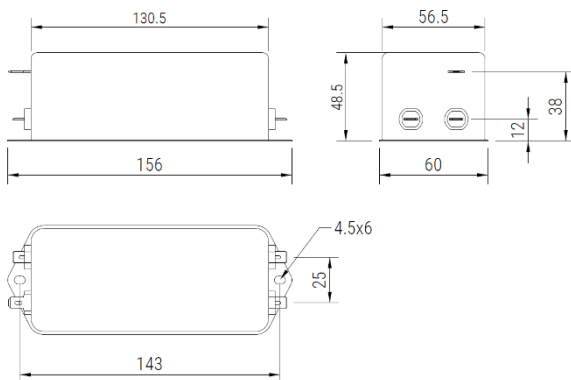
### 1A and 3A



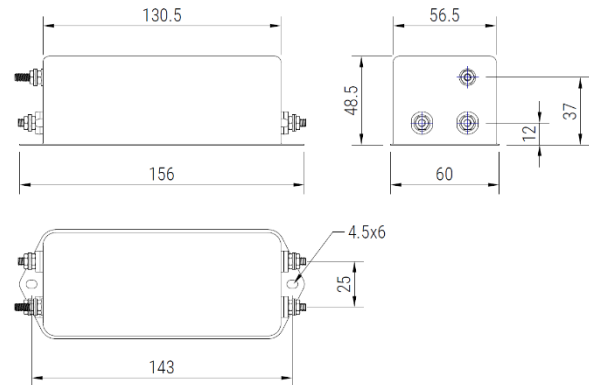
### 6A



### 10A, 13A and 16A



### 20A, 25A and 32A



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