

Overview

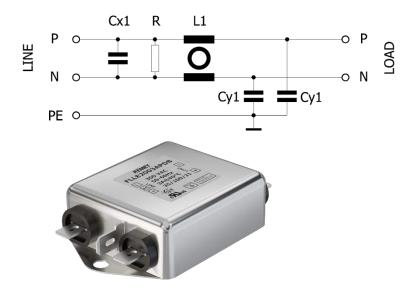
General purpose, single phase filter series with medium attenuation. Chassis mount for fast mounting, metal case filled with self-extinguishing resin. Fast-on or screw terminals available and options with flexible wire connections. Medical versions available without y-capacitors for no leakage current.



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°Cto 100°C			
Climate Category	25/100/21			
Voltage Test	P->N 1300 VDC P/N->E 2250 VDC			

Typical electrial schematics



Components

Part Number	Rated Current @ 40°C	Leakage Current *)	C _X 1	R	Li	C _Y 1
	(A)	(mA)	(μF)	(M Ω)	(mH)	(nF)
FLLE2001AP(1)(2)	1	0.37	0.1	1	12	4.7
FLLE2003AP(1)(2)	3	0.37	0.1	1	2.5	4.7
FLLE2006AP(1)(2)	6	0.37	0.1	1	1	4.7
FLLE2010AP(1)(2)	10	0.37	0.1	1	1	4.7
FLLE2013AP(1)(2)	13	0.37	0.1	1	0.8	4.7
FLLE2016AP(1)(2)	16	0.37	0.1	1	0.8	4.7
FLLE2020AP(1)(2)	20	0.37	0.1	1	0.8	4.7
FLLE2025AP(1)(2)	25	0.37	0.1	1	0.8	4.7
FLLE2032AP(1)(2)	32	0.79	0.47	0.33	0.8	10

⁽¹⁾ D = Standard, M = Medical

May 2020 KEMET EMC Filters

⁽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_V-capacitors, no leakage current.



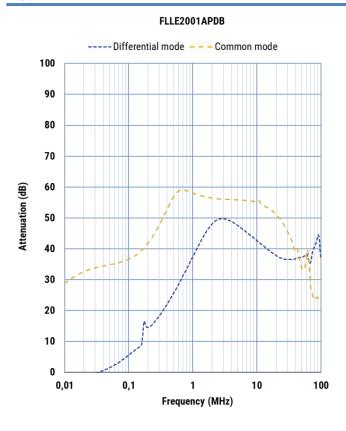
Approvals

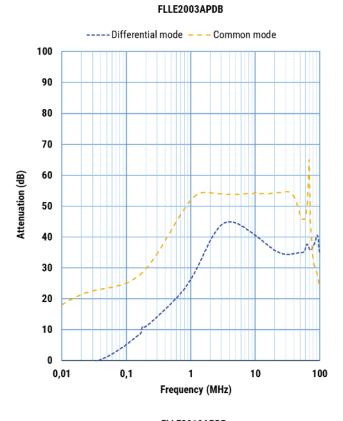
Standard IEC/EN 60939-3 ANSI/UL 60939-3-2016 **Certification Body** UL-Demko UL **File**Pending
Pending

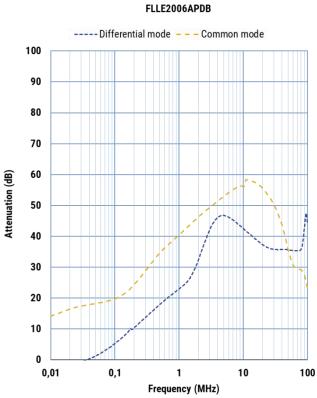


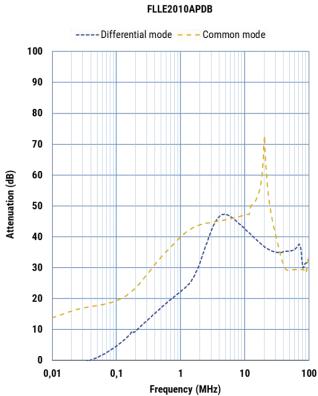


Typical insertion loss



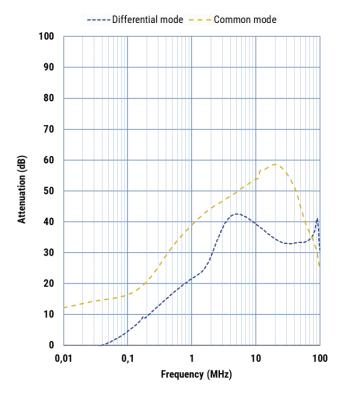




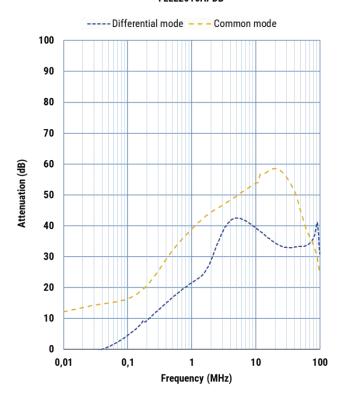




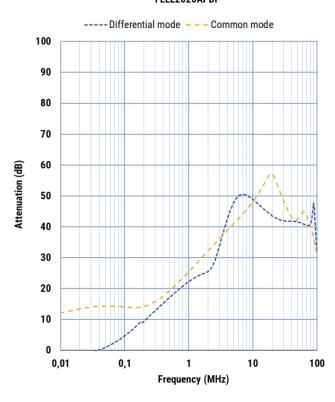




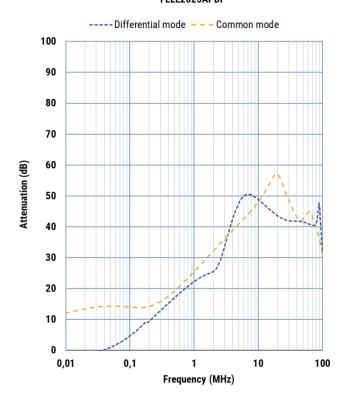
FLLE2016APDB



FLLE2020APDI



FLLE2025APDI



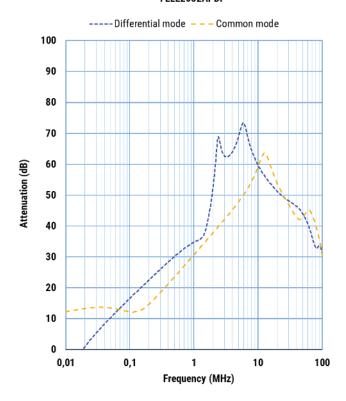
May 2020 KEMET EMC Filters

FLLE2 – P

Single phase EMI Filter



FLLE2032APDI



Mechanical dimensions

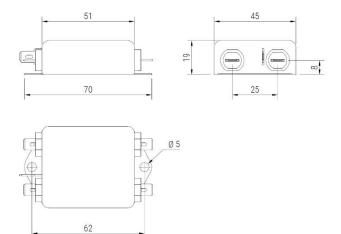
Part Number		W	Н	Weight	Fast-on	Threaded	Flexible
Part Number	(mm)	(mm)	(mm)	(g)	Terminal	Terminal	Wire (mm²)
FLLE2001AP(1)(2)	51	45	19	85	6.3 x 0.8		0.75
FLLE2003AP(1)(2)	51	45	19	85	6.3 x 0.8		0.75
FLLE2006AP(1)(2)	51	45	19	95	6.3 x 0.8		1.5
FLLE2010AP(1)(2)	51	45	19	100	6.3 x 0.8		1.5
FLLE2013AP(1)(2)	51	45	28	140	6.3 x 0.8		1.5
FLLE2016AP(1)(2)	51	45	28	140	6.3 x 0.8		2.5
FLLE2020AP(1)(2)	65	50	40	290		M4 x 0.7	2.5
FLLE2025AP(1)(2)	65	50	40	290		M4 x 0.7	2.5
FLLE2032AP(1)(2)	91	51	45	415		M4 x 0.7	4

- (1) D = Standard, M = Medical
- (2) $B = Fast-on, I = Threaded, D = Wire (Lenght = 140\pm5 mm)$

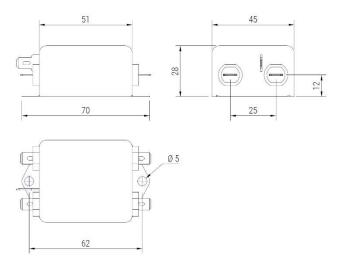
May 2020 KEMET EMC Filters



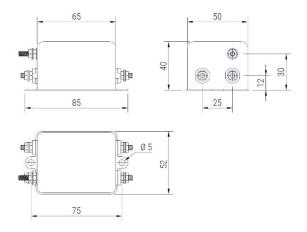
1A, 3A, 6A and 10A



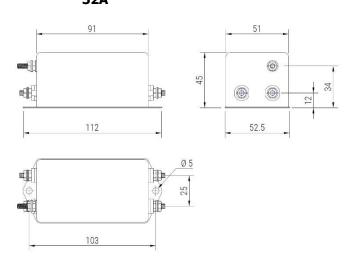
13A and 16A



20A and 25A



32A



Legal disclaimer notice

All product specifications, statements, information and data (collectively, the "information") are subject to change without notice.

All information given herein is believed to be accurate and reliable, but is presented without guarantee, warranty, or responsibility of any kind, expressed or implied.

Statements of suitability for certain applications are based on our knowledge of typical operating conditions for such applications, but are not intended to constitute – and we specifically disclaim – any warranty concerning suitability for a specific customer application

or use.

This information is intended for use only by customers who have the requisite experience and capability to determine the correct products for their applications. Any technical advice inferred from this information or otherwise provided by us with reference to the use of our

products is given gratis, and we assume no obligation or liability for the advice given or results obtained.

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 required