

Overview

The three phase filter series is intended to be used in energy conversion inverter systems (e.g. photo voltaic and wind power), between the inverter and the line or in motor drive systems.

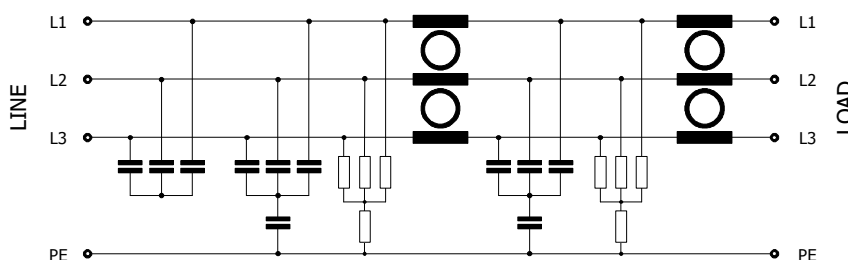
The filters are optimized for geometry and power loss.

Filters without Y-capacitors to protected earth are available on request. As a capacitor manufacturer, KEMET is only using high quality capacitors in its filter series.



Technical specifications

Rated voltage	520 VAC
Rated current	150 – 2500 A
Leakage current	< 5 mA *)
Rated temperature	50°C
Temperature range	-40°C to +100°C
Climate category	40/100/21
Voltage test	P -> P 2250 VDC
	P -> E 3000 VDC



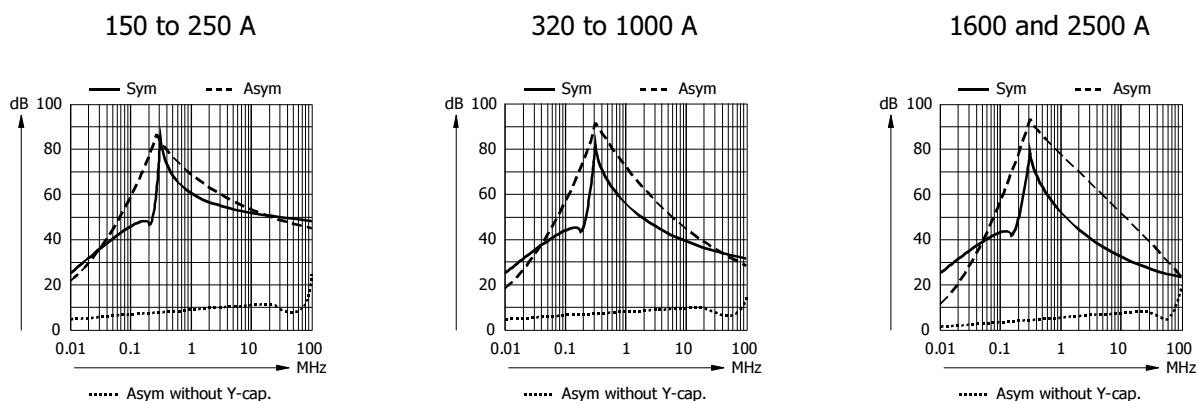
The FLLD3...PV-series is designed according to IEC/EN 60939 and UL 1283.

*) Maximum leakage current under normal operating conditions. If two phases are interrupted, leakage current can be much higher. Filters without Y-capacitors have no leakage current.

Part Number	Rated current @ 50°C (A)	Power loss @ 25°C/DC (W)	Weight (kg)
FLLD3150APV12	150	25	6
FLLD3180APV12	180	35	6
FLLD3250APV12	250	45	7
FLLD3320APV11	320	15	10
FLLD3400APV11	400	25	10
FLLD3600APV11	600	40	11
FLLD3800APV11	800	50	17
FLLD31K0APV11	1000	75	17
FLLD31K6APV11	1600	130	26
FLLD32K5APV11	2500	250	55

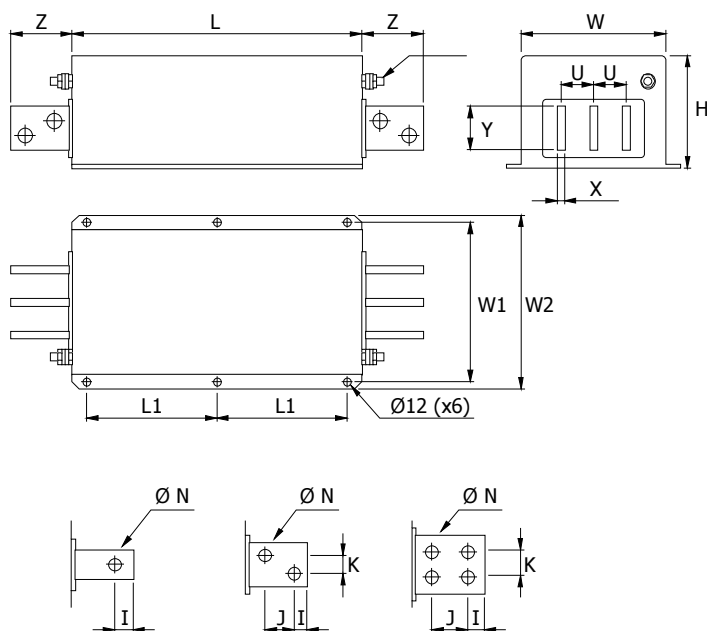
NOTE: For filters without Y-capacitors substitute PV with PX in the part number.

Typical insertion loss



Mechanical dimensions

FLLD3 ... PVI1 Busbar connections

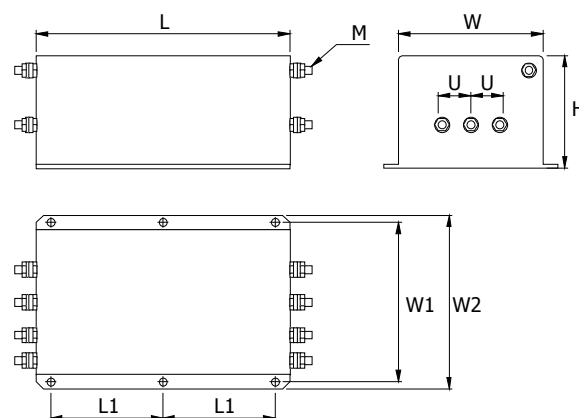


320 to 1000A

1600 A

2500 A

FLLD3 ... PVI2 Threaded terminals



Part Number	Dimensions in mm														
	L	W	H	L1	W1	W2	U	X	Y	Z	I	J	K	N	M
FLLD3150APVI2	300	160	120	120	185	210	50								M10
FLLD3180APVI2	300	160	120	120	185	210	50								M10
FLLD3250APVI2	300	180	125	120	205	230	55								M10
FLLD3320APVI1	300	210	115	120	235	260	60	6	25	45	15			10.5	M12
FLLD3400APVI1	300	210	115	120	235	260	60	6	25	45	15			10.5	M12
FLLD3600APVI1	300	210	135	120	235	260	60	8	25	45	15			10.5	M12
FLLD3800APVI1	350	230	170	145	255	280	60	8	40	55	20			14	M12
FLLD31K0APVI1	350	230	170	145	255	280	60	8	40	55	20			14	M12
FLLD31K6APVI1	400	250	160	170	275	300	60	10	60	95	17	26	26	14	M12
FLLD32K5APVI1	450	300	220	200	330	370	100	15	80	110	20	35	35	14	M12

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