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# FLLD3 – PV, 520 VAC, 250 – 2,500 A High Current Three Phase Filter

## Overview

Compact, high-powered filter series optimized to address EMC issues across a multitude of applications. Designed according to IEC/EN/UL 60939 and UL 1283.

## Applications

For use in energy conversion systems for renewable energy (photovoltaic arrays, windmill power), motor and power drives, regenerative drives, inverters, converters, process automation, battery chargers, UPS and welding machines.

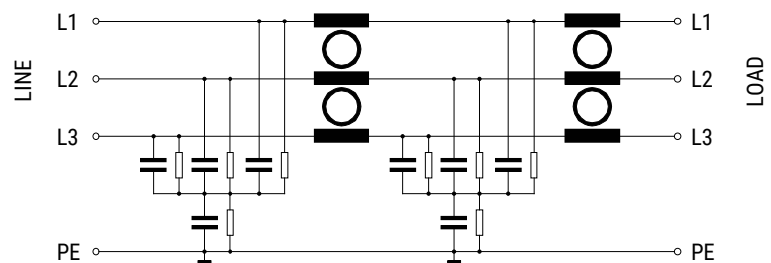


## Technical Specifications

Item	Parameters/ Characteristics
Rated Voltage	520 VAC
Rated Frequency	50 – 60 Hz
Rated Current	250 – 2,500 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 2,250 VDC P → E 3,000 VDC

\* 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.

### Typical Electrical Schematic



## Technical Specifications cont'd

Part Number	Rated Current at 50°C (A)	Power Loss at 25°C/50 Hz (W)	Weight (kg)
FLLD3250AP(*)I1	250	15	7
FLLD3320AP(*)I1	320	15	10
FLLD3400AP(*)I1	400	25	10
FLLD3600AP(*)I1	600	40	11
FLLD3800AP(*)I1	800	50	17
FLLD31K0AP(*)I1	1,000	75	17
FLLD31K6AP(*)I1	1,600	130	26
FLLD32K5AP(*)I1	2,500	230	55

(\*) To complete KEMET part number, insert V = 520 VAC (Standard), X = 520 VAC (Without Y capacitors)

## Approvals

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

## Environmental Compliance

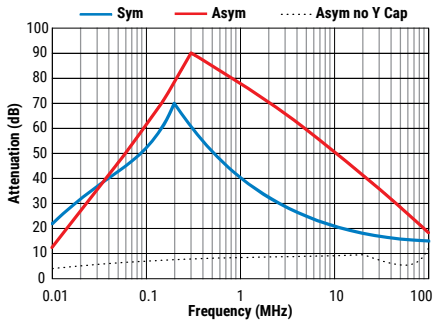
KEMET EMI filters are RoHS Compliant.



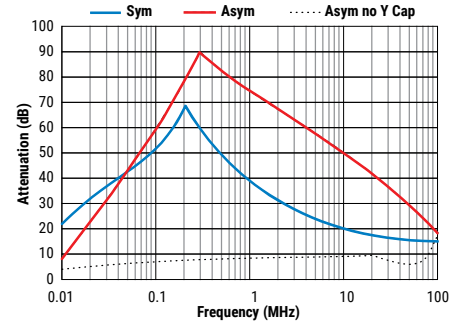
RoHS Compliant

## Typical Insertion Loss

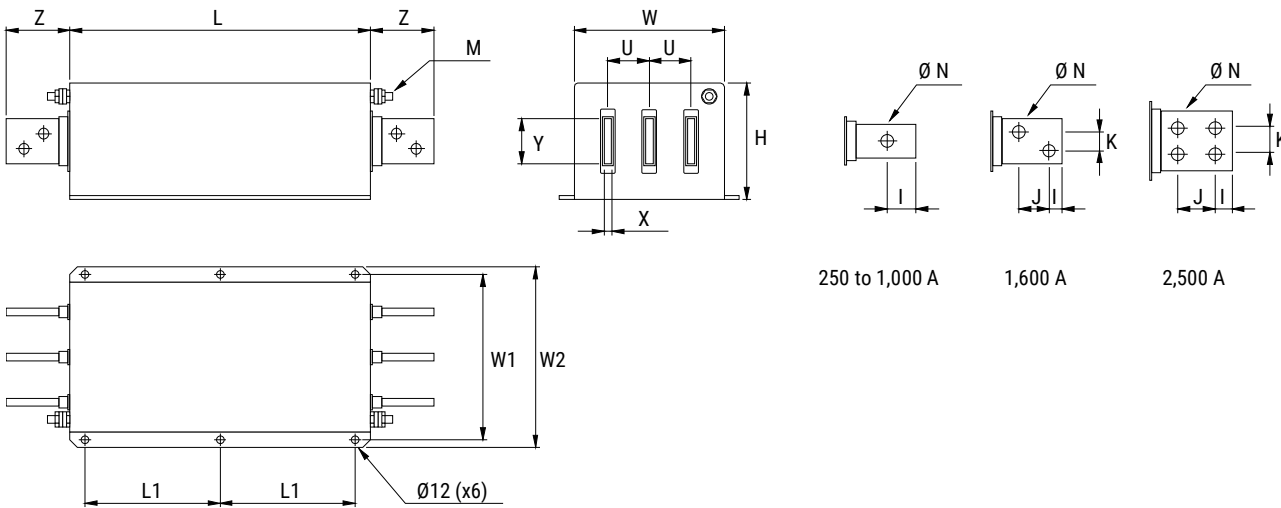
250 to 1,000 A



1,600 and 2,500 A



## Mechanical Dimensions – Millimeters



Part Number	Dimensions														
	L	W	H	L1	W1	W2	U	X	Y	Z	I	J	K	N	M
FLLD3250AP(*)I1	300	180	125	120	205	230	55	5	20	45	15			9	M10
FLLD3320AP(*)I1	300	210	115	120	235	260	60	6	25	45	15			10.5	M12
FLLD3400AP(*)I1	300	210	115	120	235	260	60	6	25	45	15			10.5	M12
FLLD3600AP(*)I1	300	210	135	120	235	260	60	8	25	45	15			10.5	M12
FLLD3800AP(*)I1	350	230	170	145	255	280	60	8	40	55	20			14	M12
FLLD31K0AP(*)I1	350	230	170	145	255	280	60	8	40	55	20			14	M12
FLLD31K6AP(*)I1	400	250	160	170	275	300	60	10	60	95	17	26	26	14	M12
FLLD32K5AP(*)I1	450	300	220	200	330	370	100	15	80	110	20	35	35	14	M12

Tolerances, if not stated, according to ISO 2768-c.



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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.