
DATASHEET

POWER LINE FACILITY EMI FILTER – MF420-1CF,2CF,3CF,4CF

Description

These series range of High Performance filters are designed to suppress undesirable electrical disturbances in Power Lines. They limit the amplitude of interfering voltages on AC power lines and prevent them from propagating into or out of the filtered equipment.

Applications

Shielded rooms/Test chambers

MRI rooms

Technical Specifications

Rated Voltage	480 VAC(L-L),277 VAC(L-G)
Frequency	0-60Hz
Current ratings	10A to 2000A@40°C
Insertion Loss	100dB from 14kHz to 40GHz
Discharge Resistance	Internally Connected
Insulation Resistance	>100MΩ @ 500VDC (Prior to fitting Discharge Resistor)
Dielectric Withstand	1500VDC each Line to case
Maximum Voltage drop per line	≤ 2% of supply voltage at full load
Overload Capability	140% of rated current for 15 Minutes
Operating Temperature	-25°C to 85°C
Enclosure Material/ Finish	CRCA-Plated/ Paint
Standard Compliance	MIL STD 220A, UL1283, IEC60939
MTBF	>0.6 million hours(Calculated using MIL Hdbk 217D)

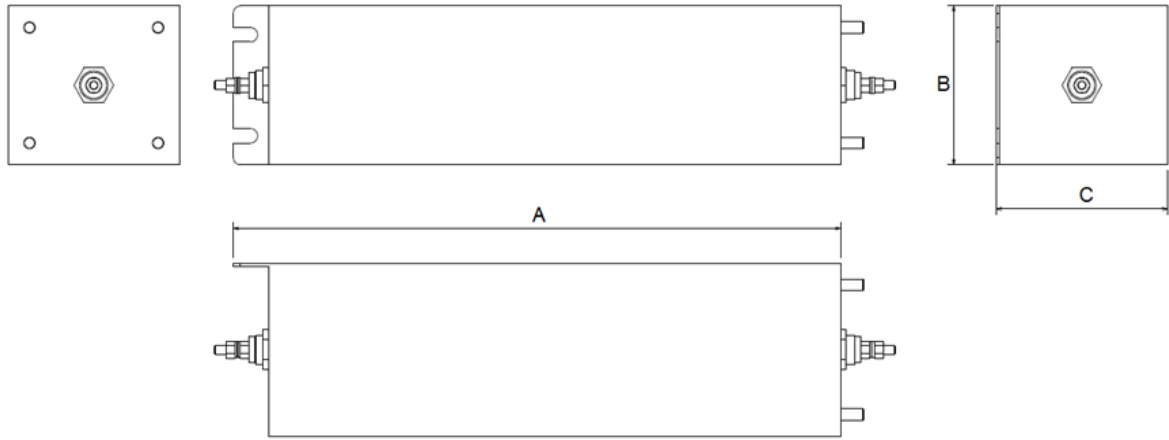
Ordering Information

No. of Lines	Part No.	Current Rating	No. of Lines	Termination*
1	E104195-1	10A	1	M5
2	E104196-1	10A	2	M5
3	E104197-1	10A	3	M5
4	E104198-1	10A	4	M5
1	E104199-1	30A	1	M6
2	E104200-1	30A	2	M6
3	E104195-1	30A	3	M6
4	E104200-1	30A	4	M6
1	E104201-1	50A	1	M8
2	E104202-1	50A	2	M8
3	E104203-1	50A	3	M8
4	E104204-1	50A	4	M8
1	E104205-1	60A	1	M8
2	E104206-1	60A	2	M8
3	E104207-1	60A	3	M8

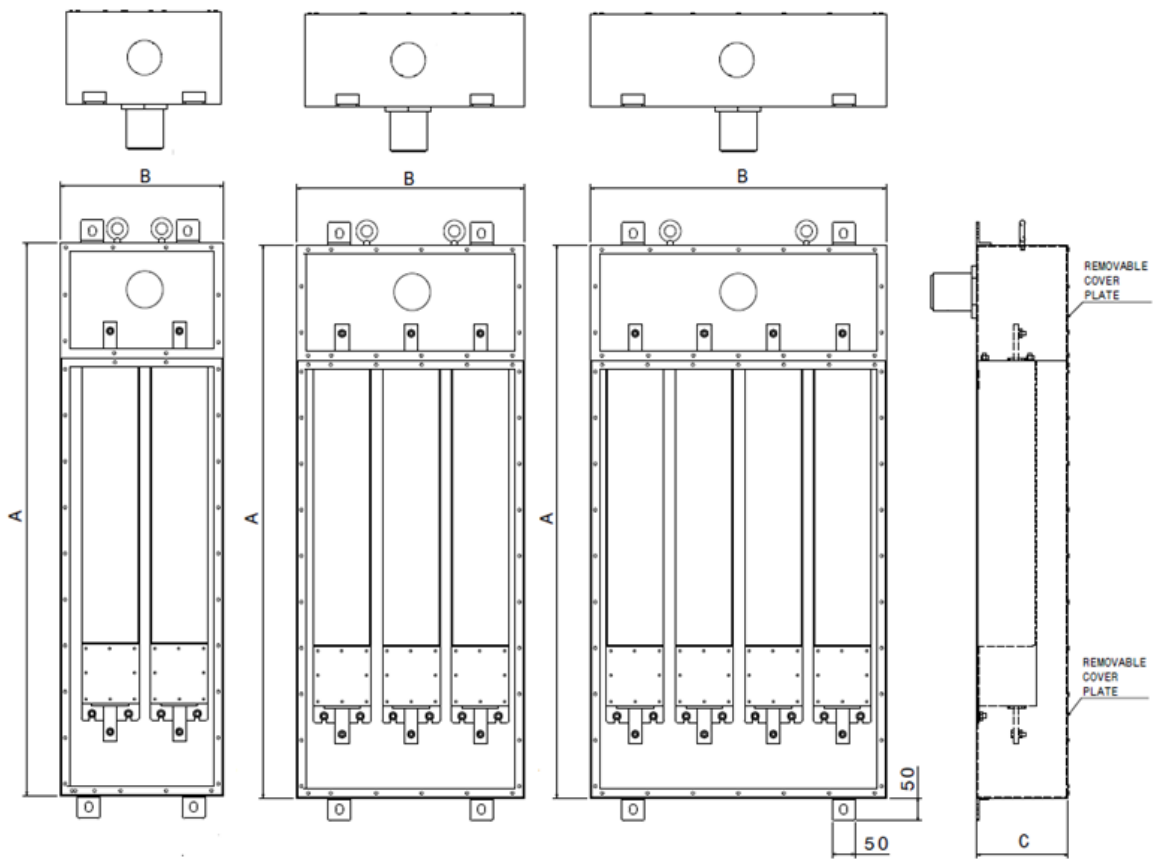
No. of Lines	Part No.	Current Rating	No. of Lines	Termination*
4	E104208-1	60A	4	M8
1	E104209-1	100A	1	M10
2	E104210-1	100A	2	M10
3	E104211-1	100A	3	M10
4	E104212-1	100A	4	M10
1	E104213-1	150A	1	M12
2	E104214-1	150A	2	M12
3	E104215-1	150A	3	M12
4	E104216-1	150A	4	M12
1	E104217-1	200A	1	M12
2	E104218-1	200A	2	M12
3	E104219-1	200A	3	M12
4	E104220-1	200A	4	M12
1	E104221-1	225A	1	M14
2	E104222-1	225A	2	M14
3	E104223-1	225A	3	M14
4	E104224-1	225A	4	M14
1	E104225-1	250A	1	M14
2	E104226-1	250A	2	M14
3	E104227-1	250A	3	M14
4	E104228-1	250A	4	M14
1	E104229-1	300A**	1	25X6
2	E104230-1	300A**	2	25X6
3	E104231-1	300A**	3	25X6
4	E104232-1	300A**	4	25X6
1	E104233-1	400A**	1	25X6
2	E104234-1	400A**	2	25X6
3	E104235-1	400A**	3	25X6
4	E104236-1	400A**	4	25X6
1	E104237-1	600A**	1	25X10
2	E104238-1	600A**	2	25X10
3	E104239-1	600A**	3	25X10

No. of Lines	Part No.	Current Rating	No.of Lines	Termination*
4	E104240-1	600A**	4	25X10
1	E104241-1	800A**	1	40X10
2	E104242-1	800A**	2	40X10
3	E104243-1	800A**	3	40X10
4	E104244-1	800A**	4	40X10
1	E104245-1	1000A**	1	40X12
2	E104246-1	1000A**	2	40X12
3	E104247-1	1000A**	3	40X12
4	E104248-1	1000A**	4	40X12
1	E104249-1	1200A**	1	60X12
2	E10450-1	1200A**	2	60X12
3	E104251-1	1200A**	3	60X12
4	E104252-1	1200A**	4	60X12
1	E104253-1	1600A**	1	60X15
2	E104254-1	1600A**	2	60X15
3	E104255-1	1600A**	3	60X15
4	E104256-1	1600A**	4	60X15
1	E105123-1	2000A**	1	80X15
2	E105124-1	2000A**	2	80X15
3	E105125-1	2000A**	3	80X15
4	E105126-1	2000A**	4	80X15

Mechanical Dimensions



1Line



2 Line,3Line ,4Line

No. of Lines /Current Rating	A	B	C
1/10A	457	90	100
2/10A	950	305	152
3/10A	950	610	152
4/10A	950	610	152
1/30A	660	115	115
2/30A	1050	305	175
3/30A	1050	610	175
4/30A	1050	610	175
1/50A	750	130	140
2/50A	1100	305	175
3/50A	1100	610	175
4/50A	1100	610	175
1/60A	750	130	140
2/60A	1100	305	175
3/60A	1100	610	175
4/60A	1100	610	175
1/100A	850	153	178
2/100A	1200	410	220
3/100A	1200	760	220
4/100A	1200	760	220
1/150A	950	203	240
2/150A	1400	550	305
3/150A	1400	990	305
4/150A	1400	990	305
1/200A	950	203	254
2/200A	1400	550	305
3/200A	1400	990	305
4/200A	1400	990	305
1/225A	950	203	254
2/225A	1400	550	305
3/225A	1400	990	305
4/225A	1400	990	305
1/250A	950	203	254
2/250A	1400	550	305
3/250A	1400	990	305
4/250A	1400	990	305
1/300A	1350	203	274
2/300A	1880	550	350
3/300A	1880	990	350
4/300A	1880	990	350
1/400A	1350	203	274

2/400A	1880	550	350
3/400A	1880	990	350
4/400A	1880	990	350
1/600A	1450	250	280
2/600A	1950	800	350
3/600A	1950	1200	350
4/600A	1950	1200	350
1/800A	1450	250	280
2/800A	1950	800	350
3/800A	1950	1200	350
4/800A	1950	1200	350
1/1000A	1450	250	280
2/1000A	1950	800	350
3/1000A	1950	1200	350
4/1000A	1950	1200	350
1/1200A	1750	320	295
2/1200A	2050	900	350
3/1200A	2050	1400	350
4/1200A	2050	1400	350
1/1600A	1750	320	295
2/1600A	2050	900	350
3/1600A	2050	1400	350
4/1600A	2050	1400	350
1/2000A	1750	320	295
2/2000A	2050	900	350
3/2000A	2050	1400	350
4/2000A	2050	1400	350