

F Series Power Line Filters

EMI FILTERS

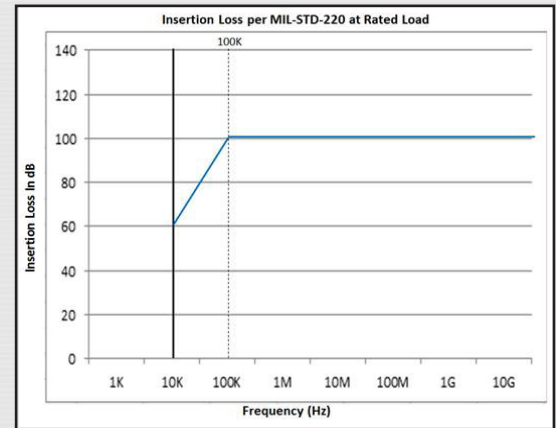
Multi Line 100dB @ 100 KHz
Facility/Shielded Room Power Line Filters



LCR Electronics EMI filter capabilities can help your products meet all requirements and achieve "Mission Success" in the ultimate application. We are a uniquely integrated company for advanced design, engineering, manufacturing, testing and technical support.



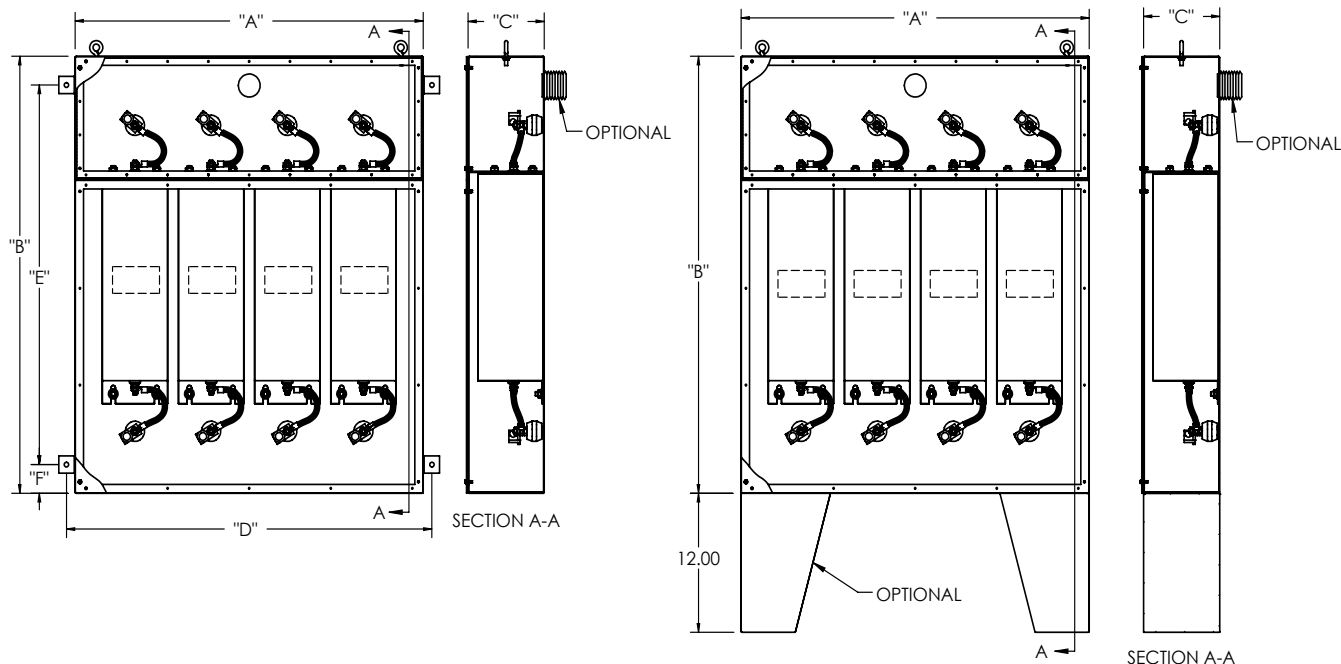
Multi line filters installed in a cabinet



General Specifications

- Attenuation (insertion loss) is 100dB @ 100KHz to 10GHz measured in accordance with MIL-STD-220. Filter insertion loss will extend to 40 GHz when installed with proper EMI shielding and isolation.
- Filters can be supplied with various levels of transient voltage protection (EMP, HEMP, and HERF.)
- Filter cabinets supplied with two separate removable covers to access input and output terminals. The output compartment is supplied with an EMI (RF) non- corrosive, environmental gasket to prevent RF Leakage and accommodate maximum isolation between input and output compartments. The input compartment is supplied with a moisture resistant gasket.
- LCR Power Line Filters comply with all the applicable requirements of MIL-PRF-15733 latest revision, MIL-STD-810 and UL1283.
- Bleeder resistors are built into each filter line to discharge the capacitor voltage to ground potential during power shutdown.
- Designed to operate continuously at rated currents and voltages, and are capable of withstanding a 40% current overload for 15 minutes without degradation.
- Voltage drop across each filter line at room temperature and full rated current is less than 1%.
- Electrical Specifications - 120/208 or 277/480VAC, 50/60Hz.
- Finish: Yellow Zinc Chromate Plating (conductive) with Gray Enamel Paint, no paint on rear mounting surface.

SPECIFICATIONS



Part No.	Current Amps	Mechanical Dimensions in Inches (mm)					
		A	B	C	D	E	F
F1970-2W	2x20	10.38 (263.65)	26.50 (673.10)	5.00 (127.00)	11.38 (289.05)	21.50 (546.10)	2.50 (63.50)
F1970-3W	3x20	15.00 (381.00)	26.50 (673.10)	5.00 (127.00)	16.00 (406.40)	21.50 (546.10)	2.50 (63.50)
F1970-4W	4x20	19.38 (492.25)	26.50 (673.10)	5.00 (127.00)	20.63 (524.00)	21.50 (546.10)	2.50 (63.50)
F1971-2W	2x30	10.38 (263.65)	28.00 (711.20)	5.00 (127.00)	11.38 (289.05)	23.00 (584.20)	2.50 (63.50)
F1971-3W	3x30	15.00 (381.00)	28.00 (711.20)	5.00 (127.00)	16.00 (406.40)	23.00 (584.20)	2.50 (63.50)
F1971-4W	4x30	19.38 (492.25)	28.00 (711.20)	5.00 (127.00)	20.63 (524.00)	23.00 (584.20)	2.50 (63.50)
F1972-2W	2x50	10.38 (263.65)	32.88 (835.15)	5.00 (127.00)	11.38 (289.05)	27.88 (708.15)	2.50 (63.50)
F1972-3W	3x50	15.00 (381.00)	32.88 (835.15)	5.00 (127.00)	16.00 (406.40)	27.88 (708.15)	2.50 (63.50)
F1972-4W	4x50	19.38 (492.25)	32.88 (835.15)	5.00 (127.00)	20.63 (524.00)	27.88 (708.15)	2.50 (63.50)
F1973-2W	2x75	10.38 (263.65)	32.88 (835.15)	5.00 (127.00)	11.38 (289.05)	27.88 (708.15)	2.50 (63.50)
F1973-3W	3x75	15.00 (381.00)	32.88 (835.15)	5.00 (127.00)	16.00 (406.40)	27.88 (708.15)	2.50 (63.50)
F1973-4W	4x75	19.38 (492.25)	32.88 (835.15)	5.00 (127.00)	21.13 (536.70)	27.88 (708.15)	2.50 (63.50)
F1974-2W	2x100	11.13 (282.70)	35.25 (895.35)	7.00 (177.80)	12.63 (320.80)	30.25 (768.35)	2.50 (63.50)
F1974-3W	3x100	16.13 (409.70)	35.25 (895.35)	7.00 (177.80)	17.63 (447.80)	30.25 (768.35)	2.50 (63.50)
F1974-4W	4x100	21.13 (536.70)	35.25 (895.35)	7.00 (177.80)	22.63 (574.80)	30.25 (768.35)	2.50 (63.50)
F1978-2W	2x150	18.00 (457.20)	32.88 (835.15)	7.00 (177.80)	18.50 (469.90)	27.88 (708.15)	2.50 (63.50)
F1978-3W	3x150	25.00 (635.00)	32.88 (835.15)	7.00 (177.80)	26.50 (673.10)	27.88 (708.15)	2.50 (63.50)
F1978-4W	4x150	33.00 (838.20)	32.88 (835.15)	7.00 (177.80)	34.50 (876.40)	27.88 (708.15)	2.50 (63.50)
F1979-2W	2x200	19.00 (482.60)	35.25 (895.35)	7.00 (177.80)	20.50 (520.70)	30.25 (768.35)	2.50 (63.50)
F1979-3W	3x200	28.00 (711.20)	35.25 (895.35)	7.00 (177.80)	29.50 (749.30)	30.25 (768.35)	2.50 (63.50)
F1979-4W	4x200	32.00 (812.80)	35.25 (895.35)	7.00 (177.80)	33.50 (850.90)	30.25 (768.35)	2.50 (63.50)
F19185-4W	4x250	30.00 (762.00)	36.00 (914.40)	7.00 (177.80)	31.00 (787.40)	31.00 (787.40)	2.50 (63.50)

* These part numbers represent our standard product offerings. If you want a variation that you do not see listed, please contact LCR and we will customize our design to fit your needs.

* Dimensions are shown for reference purposes only. Specifications subject to change.

WARRANTY

LCR provides a limited one-year warranty for its products. A copy of the complete warranty plus other terms and conditions of sale are available upon request.