

F Series Power Line Filters

EMI FILTERS

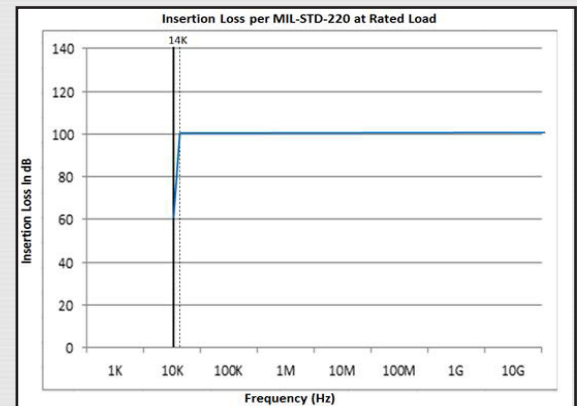
Multi Line 100dB @ 14 KHz
Facility/Shielded Room Power Line Filters



LCR's EMI filter capabilities can help your products meet all the EMC requirements and achieve "Mission Success" in the critical applications. We are a global leader in EMI filters offering advance filter design, engineering, manufacturing, testing and top notch technical support.



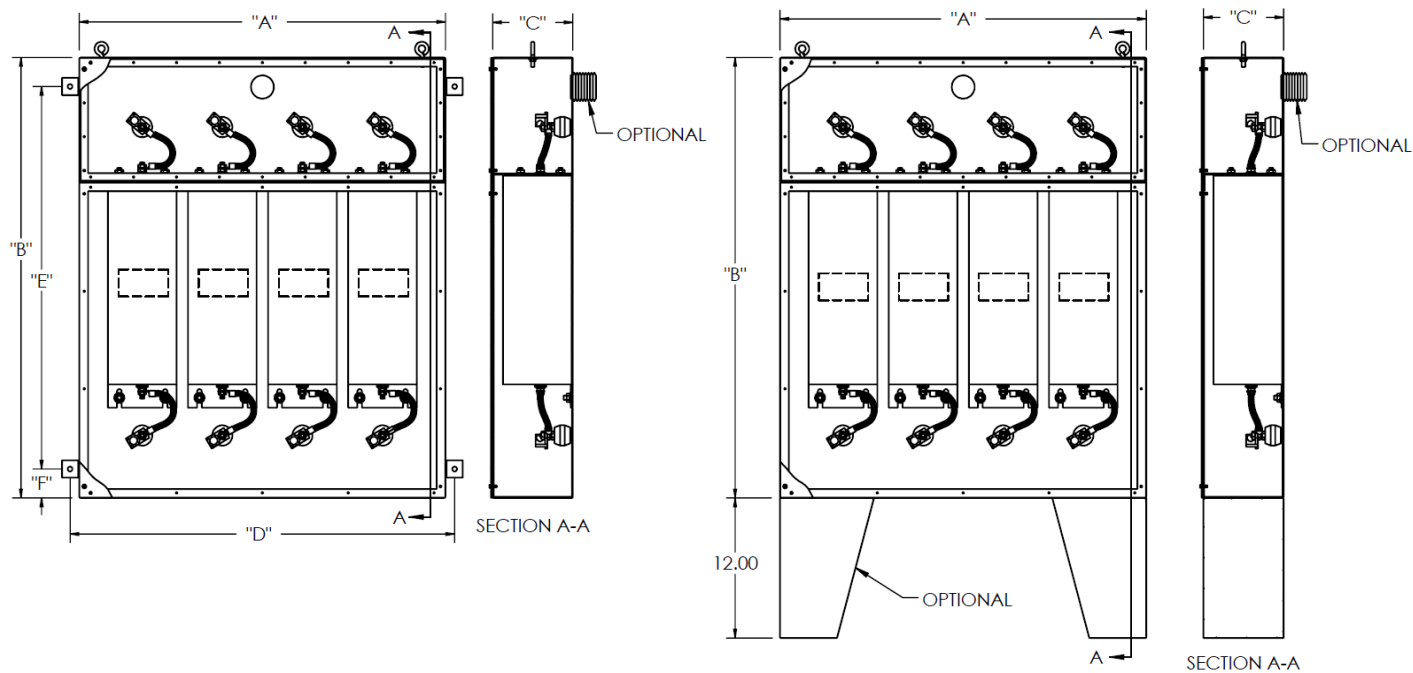
Line inserts installed inside a multi line filter cabinet



General Specifications

- Attenuation (insertion loss) is 100dB @14KHz 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	Voltage Vac	Mechanical Dimensions in Inches (mm)					
			A	B	C	D	E	F
F1960-2W	2x20	277/480	10.38 (263.65)	26.50 (673.10)	5.00 (127.00)	11.38 (289.05)	21.50 (546.10)	2.50 (63.50)
F1960-3W	3x20	277/480	15.00 (381.00)	26.50 (673.10)	5.00 (127.00)	16.00 (406.40)	21.50 (546.10)	2.50 (63.50)
F1960-4W	4x20	277/480	19.63 (498.60)	26.50 (673.10)	5.00 (127.00)	20.63 (524.00)	21.50 (546.10)	2.50 (63.50)
F1961-2W	2x30	277/480	10.38 (263.65)	28.00 (711.20)	5.00 (127.00)	11.38 (289.05)	23.00 (584.20)	2.50 (63.50)
F1961-3W	3x30	277/480	15.00 (381.00)	28.00 (711.20)	5.00 (127.00)	16.00 (406.40)	23.00 (584.20)	2.50 (63.50)
F1961-4W	4x30	277/480	19.63 (498.60)	28.00 (711.20)	5.00 (127.00)	20.63 (524.00)	23.00 (584.20)	2.50 (63.50)
F1962-2W	2x50	277/480	10.38 (263.65)	32.88 (835.15)	5.00 (127.00)	11.38 (289.05)	27.88 (708.15)	2.50 (63.50)
F1962-3W	3x50	277/480	15.00 (381.00)	32.88 (835.15)	5.00 (127.00)	16.00 (406.40)	27.88 (708.15)	2.50 (63.50)
F1962-4W	4x50	277/480	19.63 (498.60)	32.88 (835.15)	5.00 (127.00)	20.63 (524.00)	27.88 (708.15)	2.50 (63.50)
F1963-2W	2x75	277/480	10.38 (263.65)	32.88 (835.15)	5.00 (127.00)	11.38 (289.05)	27.88 (708.15)	2.50 (63.50)
F1963-3W	3x75	277/480	15.00 (381.00)	32.88 (835.15)	5.00 (127.00)	16.00 (406.40)	27.88 (708.15)	2.50 (63.50)
F1963-4W	4x75	277/480	19.63 (498.60)	32.88 (835.15)	5.00 (127.00)	20.63 (524.00)	27.88 (708.15)	2.50 (63.50)
F1964-2W	2x100	277/480	11.13 (282.70)	35.25 (895.35)	7.00 (177.80)	12.63 (320.80)	30.25 (768.35)	2.50 (63.50)
F1964-3W	3x100	277/480	16.13 (409.70)	35.25 (895.35)	7.00 (177.80)	17.13 (435.10)	30.25 (768.35)	2.50 (63.50)
F1964-4W	4x100	277/480	21.13 (536.70)	35.25 (895.35)	7.00 (177.80)	22.13 (562.10)	30.25 (768.35)	2.50 (63.50)
F1994-4W	4x100	220/380	32.00 (812.80)	38.00 (966.20)	7.00 (177.80)	33.60 (853.44)	33.00 (838.20)	2.50 (63.50)
F1995-4W	4x125	220/380	32.00 (812.80)	38.00 (966.20)	7.00 (177.80)	33.60 (853.44)	33.00 (838.20)	2.50 (63.50)
F19322-4W	4x125	277/480	32.00 (812.80)	38.00 (966.20)	7.00 (177.80)	33.60 (853.44)	33.00 (838.20)	2.50 (63.50)
F1968-2W	2x150	277/480	18.00 (457.20)	32.88 (835.15)	7.00 (177.80)	19.00 (482.60)	27.88 (708.15)	2.50 (63.50)
F1968-3W	3x150	277/480	25.00 (635.00)	32.88 (835.15)	7.00 (177.80)	26.00 (660.40)	27.88 (708.15)	2.50 (63.50)
F1968-4W	4x150	277/480	33.00 (838.20)	32.88 (835.15)	7.00 (177.80)	34.00 (863.60)	27.88 (708.15)	2.50 (63.50)
F1969-2W	2x200	277/480	20.00 (508.00)	35.25 (895.35)	7.00 (177.80)	21.00 (533.40)	30.25 (768.35)	2.50 (63.50)
F1969-3W	3x200	277/480	30.00 (762.00)	35.25 (895.35)	7.00 (177.80)	31.00 (787.40)	30.25 (768.35)	2.50 (63.50)
F1969-4W	4x200	277/480	37.00 (939.80)	35.25 (895.35)	7.00 (177.80)	38.00 (965.20)	30.25 (768.35)	2.50 (63.50)
F19350-4W	4x200	400/700	40.00 (1016.00)	46.00 (1168.40)	7.00 (177.80)	41.60 (1056.64)	41.00 (1041.40)	2.50 (63.50)
F1976-2W	2x225	277/480	21.00 (533.40)	46.00 (1168.40)	7.00 (177.80)	22.60 (574.04)	41.00 (1041.40)	2.50 (63.50)
F1976-3W	3x225	277/480	30.00 (762.00)	46.00 (1168.40)	7.00 (177.80)	31.60 (802.64)	41.00 (1041.40)	2.50 (63.50)
F1976-4W	4x225	277/480	40.00 (1016.00)	46.00 (1168.40)	7.00 (177.80)	41.60 (1056.64)	41.00 (1041.40)	2.50 (63.50)
F19315-2W	2x400	345/600	23.00 (584.20)	60.00 (1524.00)	12.00 (304.80)	24.60 (624.84)	55.00 (1397.00)	2.50 (63.50)
F19315-3W	3x400	345/600	32.00 (812.80)	60.00 (1524.00)	12.00 (304.80)	33.60 (853.44)	55.00 (1397.00)	2.50 (63.50)
F19315-4W	4x400	345/600	40.00 (1016.00)	60.00 (1524.00)	12.00 (304.80)	41.60 (1056.64)	55.00 (1397.00)	2.50 (63.50)
F19325-2W	2x800	345/600	40.00 (1016.00)	60.00 (1524.00)	12.00 (304.80)	41.60 (1056.64)	55.00 (1397.00)	2.50 (63.50)
F19325-3W	3x800	345/600	64.00 (1625.60)	60.00 (1524.00)	12.00 (304.80)	66.60 (1691.64)	Call Application Engineering	
F19325-4W	4x800	345/600					Call Application Engineering	
F19342-2W	2x1250	345/600	64.00 (1625.60)	60.00 (1524.00)	12.00 (304.80)	66.60 (1691.64)	Call Application Engineering	
F19342-3W	3x1250	345/600					Call Application Engineering	
F19342-4W	4x1250	345/600					Call Application Engineering	

For custom specifications or a variation to above products, please contact our application engineering. We will customize our designs to meet your specifications and fit your needs.

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

** Filters up to 75A can be used in 400Hz application for max line voltage of 120/208VAC when used with external Power Factor Correction coil. Above 75A, filters require slight modification, please contact us.

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.