

LCR F1960

Facility/Shielded Room Power Line Filters, Multi-line, 14 KHz

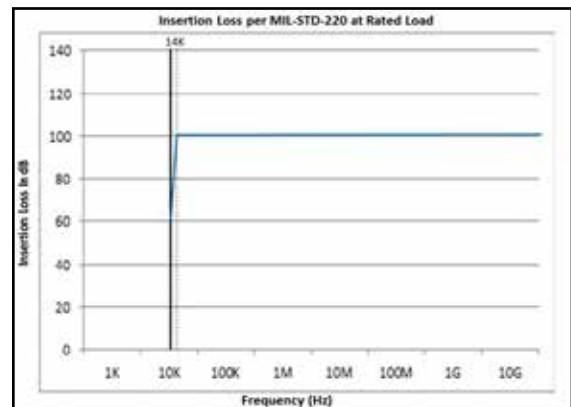


Astrodyne TDI EMI filter capabilities can help your products meet all the EMC requirements and achieve "mission success" in critical applications. We are a global leader in EMI filters offering advance filter design, engineering, manufacturing, testing and technical support.

Features

- Attenuation (insertion loss) is 100 dB @14 KHz to 10 GHz 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.
- Astrodyne TDI power line filters comply with all the applicable requirements of MIL-PRF-15733 latest revision, MIL-STD-810 and UL 1283.
- 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 277/480 VAC, 50/60 Hz **.
- Finish: yellow zinc chromate plating (conductive) with gray enamel paint, no paint on rear mounting surface.

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



Specifications are subject to change. Consult factory to verify specifications.

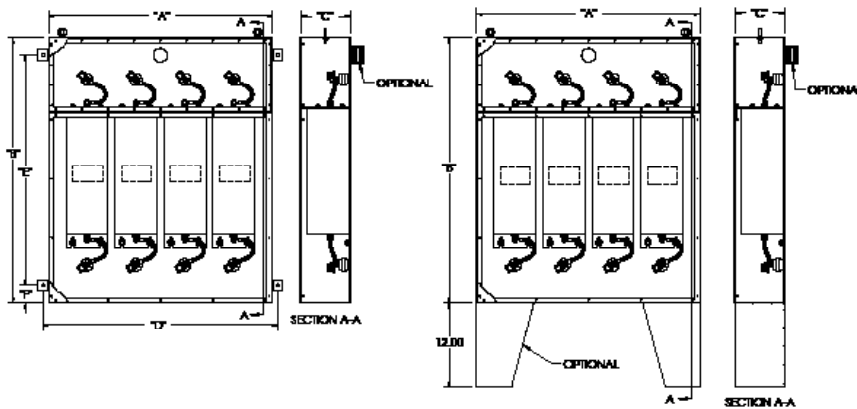
For more information on our filter products call us at: (800) 527-4362 or (714) 289-0055
LCR, Radius Power, and Filter Concepts are now part of Astrodyne TDI

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LCR F1960 Mechanical Outlines



LCR F1960 Mechanical Dimensions in mm (in)

Part No.	Current (A)	A	B	C	D	E	F
F1960-2W	2x20	263.65 (10.38)	673.10 (26.50)	127.00 (5.00)	289.05 (11.38)	546.10 (21.50)	63.50 (2.50)
F1960-3W	3x20	381.00 (15.00)	673.10 (26.50)	127.00 (5.00)	406.40 (16.00)	546.10 (21.50)	63.50 (2.50)
F1960-4W	4x20	498.60 (19.63)	673.10 (26.50)	127.00 (5.00)	524.00 (20.63)	546.10 (21.50)	63.50 (2.50)
F1961-2W	2x30	263.65 (10.38)	711.20 (28.00)	127.00 (5.00)	289.05 (11.38)	584.20 (23.00)	63.50 (2.50)
F1961-3W	3x30	381.00 (15.00)	711.20 (28.00)	127.00 (5.00)	406.40 (16.00)	584.20 (23.00)	63.50 (2.50)
F1961-4W	4x30	498.60 (19.63)	711.20 (28.00)	127.00 (5.00)	524.00 (20.63)	584.20 (23.00)	63.50 (2.50)
F1962-2W	2x50	263.65 (10.38)	835.15 (32.88)	127.00 (5.00)	289.05 (11.38)	708.15 (27.88)	63.50 (2.50)
F1962-3W	3x50	381.00 (15.00)	835.15 (32.88)	127.00 (5.00)	406.40 (16.00)	708.15 (27.88)	63.50 (2.50)
F1962-4W	4x50	498.60 (19.63)	835.15 (32.88)	127.00 (5.00)	524.00 (20.63)	708.15 (27.88)	63.50 (2.50)
F1963-2W	2x75	263.65 (10.38)	835.15 (32.88)	127.00 (5.00)	289.05 (11.38)	708.15 (27.88)	63.50 (2.50)
F1963-3W	3x75	381.00 (15.00)	835.15 (32.88)	127.00 (5.00)	406.40 (16.00)	708.15 (27.88)	63.50 (2.50)
F1963-4W	4x75	498.60 (19.63)	835.15 (32.88)	127.00 (5.00)	524.00 (20.63)	708.15 (27.88)	63.50 (2.50)
F1964-2W	2x100	282.70 (11.13)	895.35 (35.25)	177.80 (7.00)	320.80 (12.63)	768.35 (30.25)	63.50 (2.50)
F1964-3W	3x100	409.70 (16.13)	895.35 (35.25)	177.80 (7.00)	435.10 (17.13)	768.35 (30.25)	63.50 (2.50)
F1964-4W	4x100	536.70 (21.13)	895.35 (35.25)	177.80 (7.00)	562.10 (22.13)	768.35 (30.25)	63.50 (2.50)
F1968-2W	2x150	457.20 (18.00)	835.15 (32.88)	177.80 (7.00)	482.60 (19.00)	708.15 (27.88)	63.50 (2.50)
F1968-3W	3x150	635.00 (25.00)	835.15 (32.88)	177.80 (7.00)	660.40 (26.00)	708.15 (27.88)	63.50 (2.50)
F1968-4W	4x150	838.20 (33.00)	835.15 (32.88)	177.80 (7.00)	863.60 (34.00)	708.15 (27.88)	63.50 (2.50)
F1969-2W	2x200	508.00 (20.00)	895.35 (35.25)	177.80 (7.00)	533.40 (21.00)	768.35 (30.25)	63.50 (2.50)
F1969-3W	3x200	762.00 (30.00)	895.35 (35.25)	177.80 (7.00)	787.40 (31.00)	768.35 (30.25)	63.50 (2.50)
F1969-4W	4x200	939.80 (37.00)	895.35 (35.25)	177.80 (7.00)	965.20 (38.00)	768.35 (30.25)	63.50 (2.50)
F1976-2W	2x225	533.40 (21.00)	1168.40 (46.00)	177.80 (7.00)	574.04 (22.60)	1041.40 (41.00)	63.50 (2.50)
F1976-3W	3x225	762.00 (30.00)	1168.40 (46.00)	177.80 (7.00)	802.64 (31.60)	1041.40 (41.00)	63.50 (2.50)
F1976-4W	4x225	1016.00 (40.00)	1168.40 (46.00)	177.80 (7.00)	1056.64 (41.60)	1041.40 (41.00)	63.50 (2.50)
F19315-2W	2x400	584.20 (23.00)	1524.00 (60.00)	304.80 (12.00)	624.84 (24.60)	1397.00 (55.00)	63.50 (2.50)
F19315-3W	3x400	812.80 (32.00)	1524.00 (60.00)	304.80 (12.00)	853.44 (33.60)	1397.00 (55.00)	63.50 (2.50)
F19315-4W	4x400	1016.00 (40.00)	1524.00 (60.00)	304.80 (12.00)	1056.64 (41.60)	1397.00 (55.00)	63.50 (2.50)
F19325-2W	2x800	1016.00 (40.00)	1524.00 (60.00)	304.80 (12.00)	1056.64 (41.60)	1397.00 (55.00)	63.50 (2.50)
F19325-3W	3x800	1625.60 (64.00)	1524.00 (60.00)	304.80 (12.00)	1691.64 (66.60)	Call Application Engineering	
F19325-4W	4x800				Call Application Engineering		
FH19342-2W	2x1250A	1625.60 (64.00)	1524.00 (60.00)	304.80 (12.00)	1691.64 (66.60)	Call Application Engineering	
FH19342-3W	3x1250A				Call Application Engineering		
FH19342-4W	4x1250A				Call Application Engineering		

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