

# EMI Filters for MIL-STD-461 Applications

# EMI FILTERS

## Quick Delivery, Off-The-Shelf EMI Filters for MIL-STD-461 Applications



LCR offers a new line of off the shelf filters for MIL-STD-461 DC and AC single and three phase (Delta or Wye) applications. These MIL-STD-461 Military Filters are designed to mitigate conducted emissions from 10KHZ to 30MHZ, while feed through (line to ground) capacitors incorporated in the filters maintain filter attenuation to 1GHZ and above when installed with additional shielding and isolation between input and output terminations.

These filters meet the electrical requirements, including maximum leakage current, specified in MIL-STD-461. Easily customizable to meet your exact needs, LCR's EMI filters for MIL-STD-461 applications are ideal for testing products to determine the best EMI circuit application.

Encapsulated assembly and mechanical constructions withstand the stringent environmental requirements and conditions of all air, sea and ground applications.

Power line circuit breaker, MOV's (line to line and line to ground, for surge protection) and military connectors instead of screw terminals can be incorporated into the filter package upon request to comply with any system level I/O connections.

### LCR Offers:

- Full design, development and manufacturing capabilities.
- Compliance to all military standards.
- A team of expert engineers to create your ideal solution.

# EMI Filters for MIL-STD-461 Applications

## SPECIFICATIONS

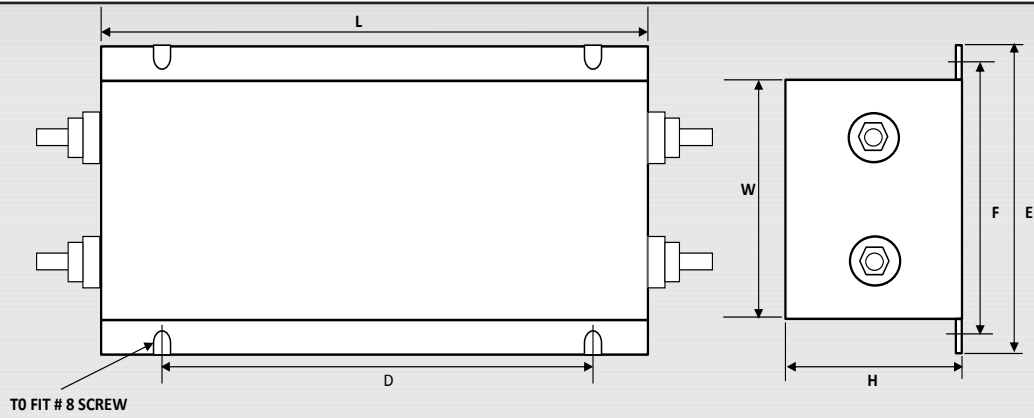


Figure 1, Single Phase

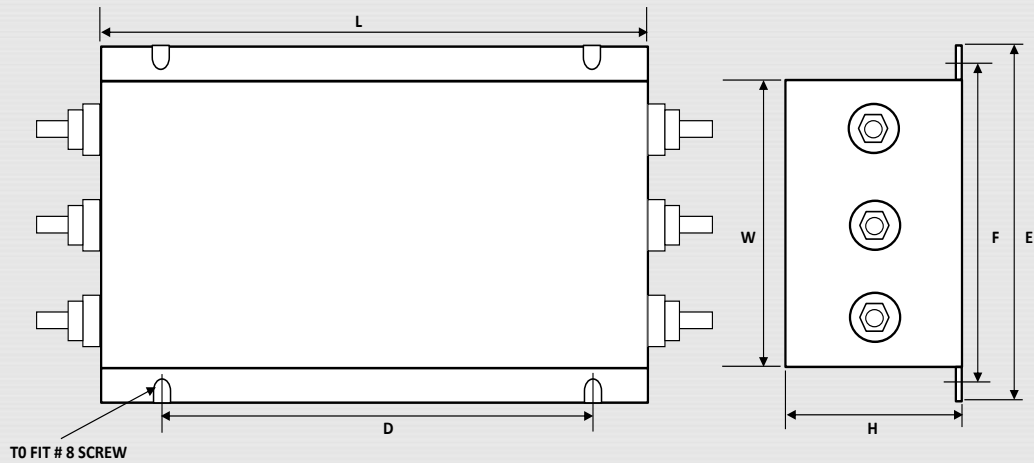


Figure 2, Three Phase

Filter Configuration	Filter P/N	Rated Voltage	Frequency	Rated Current	Size (in)						Thread Size
					L	W	H	D	E	F	
Single Phase	F19281-05	250VAC/400VDC	0-400Hz	5A	6.50	3.00	2.50	5.00	4.00	3.50	#10-32
	F19281-15	250VAC/400VDC	0-400Hz	15A	6.50	3.00	2.50	5.00	4.00	3.50	#10-32
	F19281-30	250VAC/400VDC	0-400Hz	30A	6.50	3.00	2.50	5.00	4.00	3.50	#10-32
Three Phase Delta	F19282-05	120/208 VAC	50/60/400	5A	8.00	3.50	2.50	6.50	4.50	4.00	#10-32
	F19282-15	120/208 VAC	50/60/400	15A	8.00	3.50	2.50	6.50	4.50	4.00	#10-32
	F19282-30	120/208 VAC	50/60/400	30A	8.00	4.50	3.00	6.50	5.50	5.00	#10-32
Three Phase Delta	F19283-05	254/440 VAC	50/60/400	5A	8.00	4.50	3.00	6.50	5.50	5.00	#10-32
	F19283-15	254/440 VAC	50/60/400	15A	8.00	4.50	3.00	6.50	5.50	5.00	#10-32
	F19283-30	254/440 VAC	50/60/400	30A	8.00	4.50	3.00	6.50	5.50	5.00	#10-32
Three Phase WYE	F19284-05	254/440 VAC	50/60/400	5A	8.50	4.50	3.00	6.50	5.50	5.00	#10-32
	F19284-15	254/440 VAC	50/60/400	15A	8.50	4.50	3.00	6.50	5.50	5.00	#10-32
	F19284-30	254/440 VAC	50/60/400	30A	8.50	4.50	3.00	6.50	5.50	5.00	#10-32

### Typical Filter Attenuation per MIL-STD-220:

Frequency(MHz) →	0.01	0.03	0.05	0.1	1	10	30
CM (dB)	22	28	37	47	70	80	80
DM (dB)	10	21	32	50	50	70	80

*Typical sizes - full customization available*

### 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.

