

LCR F1928

MIL/COTS AC and DC EMI Power Line 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.

LCR F1928 Mechanical Outlines

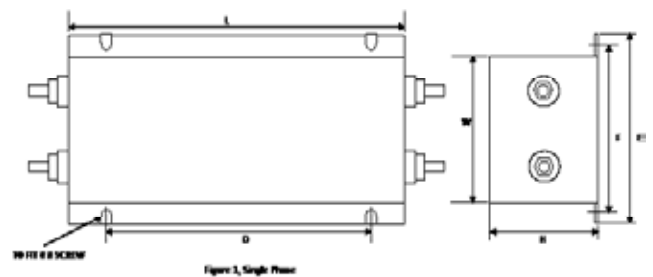


Figure 1, Single Phase

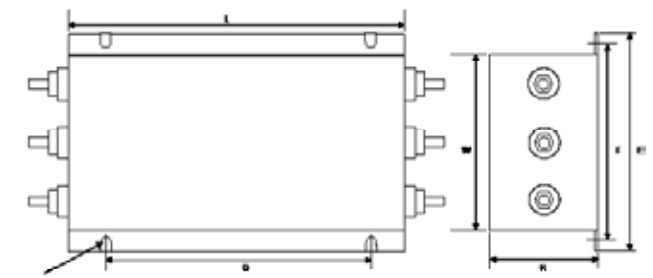


Figure 2, Three Phase

Typical Filter Attenuation per MIL-STD-220

| Freq (MHz) | 0.01 | 0.03 | 0.05 | 0.10 | 1.0 | 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

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

LCR F1928

MIL/COTS AC and DC EMI Power Line Filters



LCR F1928 Specifications

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

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