FH Series
HEMP Protection Filters

Facility / Shielded Room Power Line Filter

The FH series is designed to meet or exceed the requirements of MIL-STD-220 with 100dB attenuation from 14kHz to 1GHz. These filters are capable of carrying full rated current without exceeding a 25 degree rise above ambient temperature. LCR FH series filters can be operated continuously at their rated currents and voltages and are capable of withstanding a 40% current overload for 15 minutes without degradation.

General Specifications

• LCR Power Line Filters comply with all the applicable requirements of MIL-F-15733 latest revision and UL1283 and are fitted with high transient suppressors in front of the inductive input circuit, resulting in low residual currents during an EMP pulse and protecting the connected equipment.

• Filter cabinets are supplied with two separate removable covers to access input and output terminals. The filtered compartment is supplied with an EMI (RF) non-corrosive, environmental gasket to prevent RF Leakage and accommodate maximum isolation between input and output compartments.

• Bleeder resistors are built into each filter line to discharge the capacitor voltage to ground potential during power shutdown.

• The filters insertion loss is 100dB from 14kHz to 1 GHz measured per MIL-STD-220. The filter insertion loss will extend 10 GHz when installed with proper EMI shielding and isolation.

• Designed to meet the point-of-entry requirements of MIL-STD-188-125-1 & MIL-STD-188-125-2 for short and intermediate pulses. Also meets high insertion loss performance for SCIF, TEMPEST and other applications.

• Finish: Yellow Zinc Chromate Plating (conductive) with Gray Enamel Paint, no paint on rear mounting surface.
These part numbers represent our standard product offerings. If you want a variation that you do not see listed, please contact LCR Electronics and we will customize our design to fit your needs.

**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.

Due to a policy of continuous improvement and quality assurance, specifications are subject to change without notice.