

Motor Line Feed-Through (MLFT) Filters (Patent Pending)

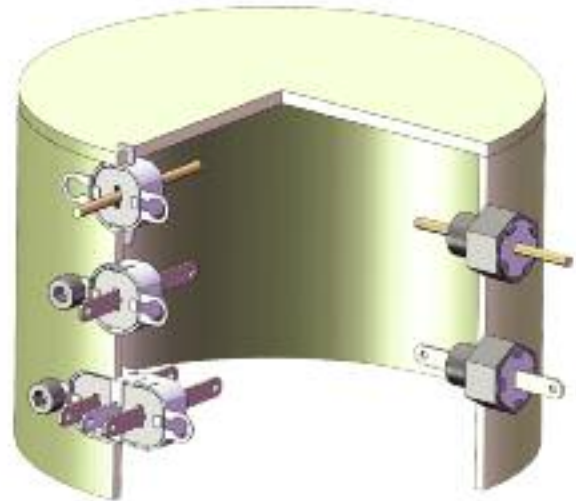


As the world leader in EMC, API Technologies' Spectrum Control brand has developed a family of high capacitance filters specifically designed for DC motor and other lower voltage applications. The Motor Line Feed-Through (MLFT) filter is a one-component solution that eliminates the need for multiple capacitors, inductive coils, leads and PCB assemblies requiring numerous electrical connections and large amounts of space. MLFT filters (patent pending) are engineered to provide the required EMI filtering and mechanical interface at a reduced cost.

MLFT filters offer significant insertion loss to pass global conductive and radiated EMC tests, such as CISPR 25. Our standard line of filters can be designed into mechanical packages for easy retrofit into existing designs or as custom assemblies to simplify installation during production. These filters are available in stamped or threaded housings, with single or dual lines, and round leads or Faston terminals for applications to 100 volts.

Benefits

- Easy installation, provides a connector interface
- Excellent EMI filtering through GHz range
- Competitive cost
- Space saving EMI solution
- Fewer electrical connections
- Failsafe DC open circuit for safety concerns
- Standard and custom filtering and mechanical packages
- Transient voltage and surge protection available



Ordering Information

Example: **MLFT2-001-TFCAC**

The part number shown represents a single line, threaded MLFT Filter with Faston Terminals, a capacitance rating of 0.20 μ F and a voltage rating of 100V.

MLFT2	-	001	-	T	F	CA	C
Motor Line Feed-Through Filter		Style		Terminal		Capacitance	Voltage Rating
		T = Single line threaded S = Single line stamped D = Dual line stamped		F = .110 Faston R = .062 round lead		CA = .20 μ F CC = 2000 pF CD = 20 pF	C = 100V