

Glass-Sealed EMI Filters

Supporting defense and aerospace applications subject to extreme environmental conditions, Glass-Sealed EMI Filters are hermetically sealed to prevent moisture and contaminant ingress. These robust filters enhance long-term system reliability, improve efficiency, reduce maintenance requirements and prevent damage from electromagnetic interference (EMI).



ADVANTAGES AND FEATURES

Enables use in extreme environments

High-temperature terminals and hermetic glass seals that undergo 100% helium-leak testing ensure long-term, reliable performance and help prevent failures even in high-temperature, high-pressure or vacuum conditions.

Simplifies compliance for military and aerospace applications

Prequalification to a broad range of standards, such as MIL-PRF-15733 and MIL-STD-202, helps streamline development processes, accelerates time to market and ensures reliable performance.

Capacitance	0.15 to 2.8 μ F
Filter Circuits	C, LC, Pi
Current	5.0 to 15.0A
Voltage (max.)	400V (DC), 250V (AC at 400 Hz)

Ensures resistance to EMI

Discoidal ceramic capacitors and hermetic sealing help eliminate EMI-related disruptions, ensure consistent system accuracy, and enhance energy efficiency in dense or noisy applications.

Enhances design flexibility

Multiple options for filter circuits, filtering from 1 kHz to 10 GHz, voltage ratings and thread sizes enable seamless integration into unique systems and reduce engineering challenges.

MARKETS AND APPLICATIONS

Aerospace

- Cockpit controls
- Communication equipment
- Hydraulic and control systems
- Power supplies
- Radar systems



Cockpit Controls



Military Vehicles



Weapon Systems

Defense

- Cockpit controls
- Communication equipment
- Hydraulic and control systems
- Military vehicles
- Power supplies
- Radar systems
- Weapon systems

MedTech

- Implantable products
- Medical imaging equipment
- Medical surgical tools
- Patient care monitors
- Portable dialysis equipment

Industrial

- DC-to-DC converters
- Industrial motor controls
- Instrumentation
- Power lines
- Power supplies
- Test equipment

Telecommunications

- Computer and peripheral equipment
- Data and signal lines
- Digital and switching equipment
- Internet protocol digital subscriber line access multiplexer (IP DSLAM) systems
- Microwave devices

Glass-Sealed EMI Filters

SPECIFICATIONS

Reference Information

Packaging: Bag
Designed in: Inches
RoHS: Yes (leaded versions also available)
MIL-SPEC: Meets MIL-PRF-15733, DSCC 84084, MIL-PRF-28861 qualifications
Seal Integrity: 100% helium leak tested per MIL-STD-202, method 112

Electrical

Capacitance: 0.15 to 2.8 μ F
Filter Circuits: C, LC, Pi
Current: 5.0 to 15.0A
Voltage: 50 to 400V (DC), 250V (AC at 400 Hz)
DC Resistance (max.): 0.003 to 0.015 Ohms

Mechanical

Mounting Style: Bolt-in feedthrough
Thread Sizes: 2-56 to 5/16-32
Length: 0.280 to 0.758"
Diameter: 0.375 to 0.690"
Thread Length: 0.187"

Physical

Operating Temperatures: -55 to +150°C
(depending on version)