

SUCCESS STORY

EMI Filters for Ground Missile Ignition Systems

Glass-Resin EMI Filters for aircraft missile ignition systems

Air to air missiles (AAM) are launched from aircraft for the purpose of destroying other aircraft. Air to ground missiles (AGM) are launched from aircraft to destroy targets on the land or sea. Bombers, attack aircraft and fighter aircraft all use these types of weapons. They must work. Spectrum Control's EMI filters are incorporated into the ignition systems of these military applications to ensure missiles will not misfire or disable unintentionally.

When Subject to HERO

These sophisticated ignition systems contain only the electronic or mechanical elements necessary to signal the detonator to initiate the blast. However, these sensitive detonation devices are subject to Hazards of Electromagnetic Radiation to Ordnance (HERO).

Most ordnance systems susceptible to RFR are vulnerable during assembly, disassembly, loading, unloading, and handling RFR electromagnetic fields.

Modern radio and radar transmitting equipment produce high-intensity radio frequency (RFR) fields that can cause susceptible electro-explosive devices contained in ordnance systems to actuate prematurely. Military uses our filters to prevent this.



EMI filters and ceramic components play a critical role in keeping missile ignition systems working properly



AAM and AGM are designed to be launched from military aircraft

Product Details

Our hermetically sealed filters feature hermetic glass seals with high EMI filtering performance. Resin sealed filters feature a rugged case, making them highly reliable in the toughest environmental conditions. Discoidal ceramic capacitors are low profile with a rugged design, offering an excellent alternative to ceramic tube designs.

- Largest selection of mechanical configurations for unparalleled versatility and ease of design.
- Large selection of discoidal sizes, from miniature solder-in to high current cases.
- Full EMC compliance lab utilized for customer compliance to system requirements.