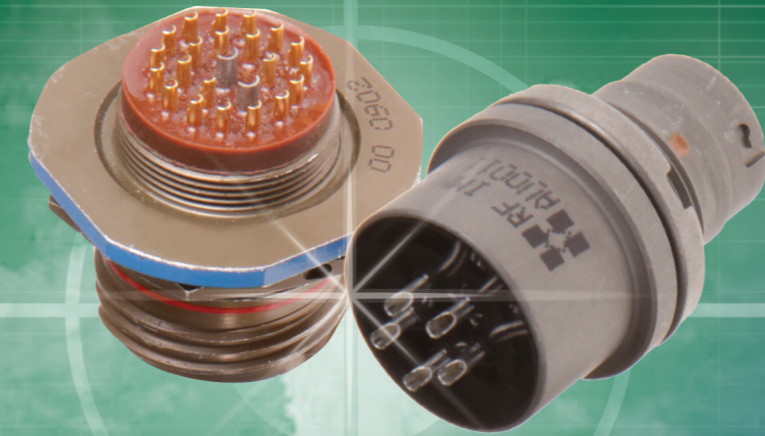




- D-SUB FILTER / TRANSIENT PROTECTION CONNECTORS
- MILITARY FILTER / TRANSIENT PROTECTION CONNECTORS
- FEED THROUGH & FILTER ARRAY



MILITARY FILTER / TRANSIENT PROTECTION CONNECTORS

AN INNOVATIVE TECHNOLOGY OF FREQUENCY FILTERING

RF Immunity

MILITARY FILTER / TRANSIENT PROTECTION CONNECTORS



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Company Profile

YOUR FIRST LINE OF DEFENSE

Established in 2002 as a privately owned company, RF Immunity specializes in design and manufacturing of **EMI/RFI Filtered connectors, Transient Protection, Hermetically Sealed and Customized connectors.** Our products are based on highly advanced filtering technologies and techniques. RF Immunity's miniaturized products are renowned for their quality and performance under extreme environmental conditions.

We've worked hard to achieve and maintain a world-class reputation for the highest level of excellence in quality, on time delivery and customer service that will always exceed the expectations of our customers, to the extent that we collaborate with customers at the earliest stages of design with comprehensive consulting, diagnostic testing and manufacturing services to develop optimum EMI/RFI filtered Connector solutions.

Our unique capabilities allow us to pass on to our customers reduced cycle times and time to market costs. This enables RF Immunity to be a true one stop source from prototype through production of EMC solutions for various applications in major electronics markets such as military, avionic, medical, commercial and more.

RF Immunity Ltd. Military Filtered and Transient Protection Connectors

A large diversity of connector sizes and types is available in various densities. All connectors meet the most stringent specifications of military standards: MIL-DTL-38999, MIL-DTL-26482, MIL-DTL-5015, MIL-DTL-83733, ARINC 404 and more.

Perfectly filtering Input/Output (I/O) interfaces of space-sensitive military systems demanding hermetic sealing, these filtered connectors are suitable for extreme environmental conditions. They can also include protective components to ensure transient resistance as well as fast HPM (High Power Microwave) pulse durability.

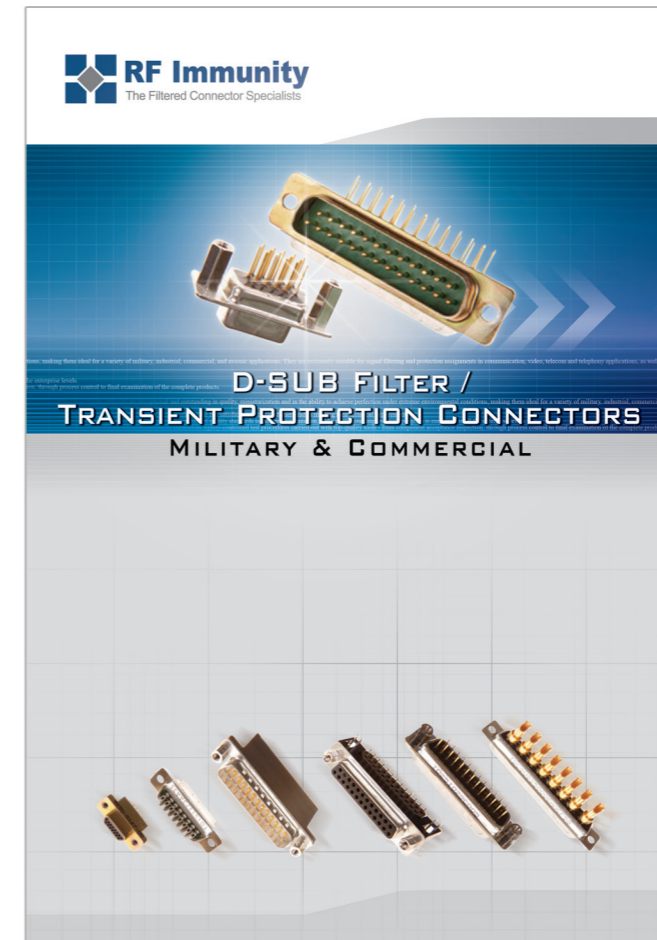
The entire assembly is integrated into a single package, where each contact has an individual filter with specific type and level.

Together with other complying design considerations, the use of these filtered connectors enables modern platforms to meet the following reference standards: MIL-STD-461, MIL-STD-1275, MIL-STD-704, RTCA-DO160.

Each filtering module is integrated into the connector, keeping the connector outer form and size unchanged and preserving system Form, Fit and Function (F³). Designed for airborne, marine and ground-controlled portable equipment, this line of products can be used in a broad frequency range of up to 10 GHz.

The Advantages of the Innovative Filtering Technology Offered by RF Immunity Ltd.

- **Easy retrofit and upgrade**
Our compact connectors are the same in dimensions as the corresponding unfiltered connectors. System space is not to be concerned about allowing for easy retrofit and upgrade.
- **Design flexibility**
Our advanced design technologies enable the introduction of a complete selection of both electrical and mechanical solutions, while extensive knowledge allows us to offer design and production of filtered versions of most connector types.
- **Reduced cost and lead times**
With most standard contact arrangement designs, we can reduce the procurement costs and minimize the tooling expenses, down to zero. Moreover, we offer small quantities and prototypes.
- **Weight and space saving**
As the filtering elements are placed within the connectors, functional PCB area is kept minimal. Weight is saved compared to the standard configuration of a connector and separate discreet filtering components.
- **Custom designs**
We cater to various custom designs which call for specific filtering, transient protection, sealing, etc.



Filtered Military Connectors

- Effective solutions for Avionic, Naval and Ground applications
- Filtering all types of metal connectors, Receptacles and Plugs
- Available with Filters, Transient Protections and Hermetically sealing
- Available with L, C, LC, CL, PL, T filters and doubled topologies
- Selective Working Voltage, Filter Type and Topology for each contact
- Fits all Power, Control & Communication Lines
- Effective Frequency Range starts at 10kHz up to 20GHz

TVS and Lightning Protection Connectors

- Transient Voltage Suppressors integrated into the connector, achieve most effective suppression.
- Standard capability of up to 0.6 joules without enlarging the connector.
- EFT (Electrical Fast Transient) & Lightning Protection integrated into the rear side of an enlarged connector.
- TVS can be combined with EMI filters or as a stand alone solution.

Hermetically Sealed Connectors

Sealed Connectors

Company Profile
RF Immunity established in 2002, as a privately owned company that specializes in the design and manufacturing of EMI/RFI filtered connectors, transient protection connectors, hermetically sealed and customized connectors. Our products are based on highly advanced filtering technologies and techniques, and excel in the design and manufacturing of unique filtering solutions, made to meet the specific requirements of each customer. The miniaturized RF Immunity products are renowned for their quality and they perform perfectly under extreme environmental conditions. The qualities of RF Immunity products make them an ideal choice for a variety of applications including military, commercial, avionic and more. These products cover diverse forms of frequency filtering: filtered connectors and filtered units for single line as well as for multi-channel configurations, and protective devices for power supply systems. We place much focus on designing customer specific solutions, protecting their devices from EMI/RFI threats and assuring a reliable and effective solution. RF Immunity is a well-established company leading the Israeli market with proven capability and experience in the military, industrial and medical arenas. The innovative and highly advanced Israeli technology markets create an abundance of RF/EMI challenges. These challenges are successfully met by RF Immunity to the complete satisfaction of its customers fulfilling all the necessary requirements.

Quality Assurance
RF Immunity quality program is ISO 9001 certified and is applied in accordance with the 515 (Ship to Stock) method quality program of prime customers. All our products are subject to meticulous and tight-controlled test procedures carried out with top-quality tools, from component acceptance inspection, through process control to final acceptance of the completed products.

Reference Standards
MIL-STD-461, MIL-STD-1275, MIL-STD-704, MIL-STD-1399, RTCA-DO160, MIL-STD-120

RF Immunity has distributors all around the world

For local distributor, visit our web site

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An Innovative Technology of Frequency Filtering

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