RF Immunity
EMI/RFI Connectors, Filter & Power Units

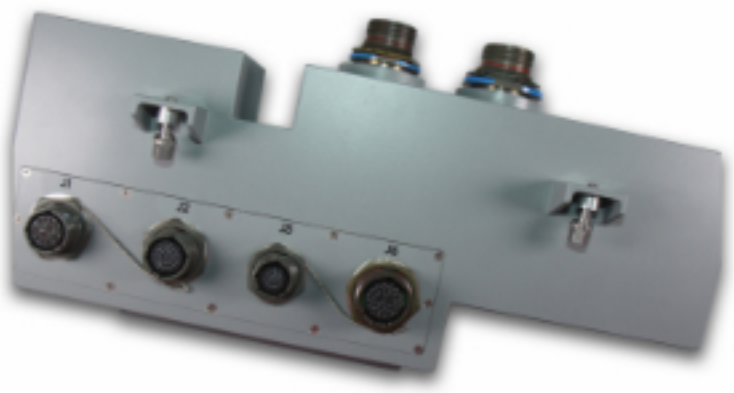
RF Immunity
Cables & Harnesses

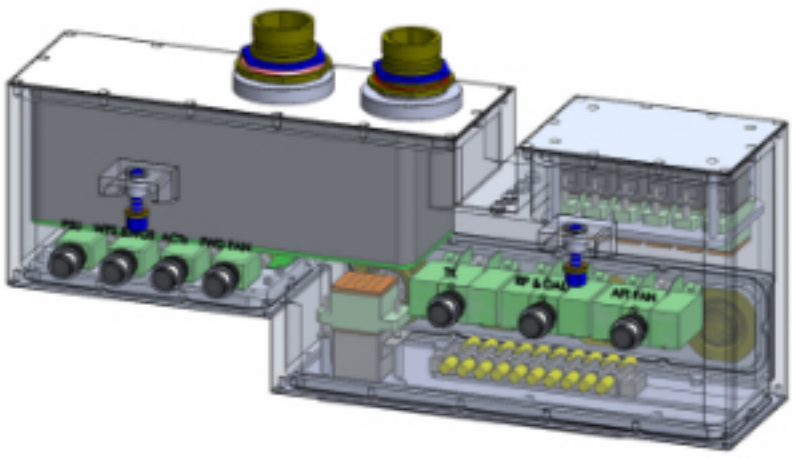
RF IMMUNITY News Release – JUL 2018 – Sucsess Story

Filter & PDSU For Avoinic Application

RF Immunity has successfully developed and supplied a custom made FPDU (Filter and Power Distribution Unit) for Fighter Aircraft. The function of the FPDU is filtering the incoming power lines from the aircraft power source (115VAC 28VDC) and distributing to electronic units. The unit also includes Circuit Breakers and Relays for operating the POD subsystems. The challenges of RF Immunity engineers was to attenuate a noise of 50dB@ 100Khz by differential mode. A reverse polarity and phase protection were also designed to prevent unexpected damage.
The FPDU is also designed to be protected from transient voltage surges in accordance to MIL-STD – 704A.

The unit can sustain high power consumption (400W at DC and 4500VA at AC).
RF Immunity scope of work included performing comprehensive QUAL (qualification) procedure, including 14 different environmental tests, to verify unit withstanding under severe environmental conditions.
All relevant reports such as ATP, ESS, Qualification and reliability report (MTBF analysis) were provided to the customer.





RF Immunity can be your professional design partner for special Filters and Power units with custom mechanical and electrical features that suit your needs.

For more details, please contact: sales@rfimmunity.co.il

About RF Immunity

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 and 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 capacity and experience in the military, industrial and medical arenas. The innovative and highly advanced Israeli technology markets create an abundance of RFI/EMI challenges. These challenges are successfully met by RF Immunity to the complete satisfaction of its customers fulfilling all the necessary requirements.

For more information please contact us at

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