



**MPE**  
Quality, Reliability, Performance

## Company Bulletin

for EMC, EMP & TEMPEST Protection

Issue 17



Completed power supply solution from Radiotechnika



Typical MPE feedthrough capacitors

### Power supply unit for Polish defence

In the battlefield environment electromagnetic compatibility (EMC) remains a critical factor in order to ensure equipment immunity to electromagnetic interference (EMI) or disturbances. In more recent years, through its territory distribution partners, MPE has established an unrivalled reputation for support on defence projects.

MPE's Silver Partner for Poland is Radiotechnika Marketing, an organisation with many years' experience in the design, validation, manufacture and distribution of advanced systems for military as well as commercial and industrial applications.

Radiotechnika has been operating in the city of Wroclaw since 1947 and is one of Poland's oldest and most famous electronics manufacturers and distributors. Whilst the company specialises in power supply and distribution systems for military vehicles, it is also Poland's no.1 military-grade cable harness and fibre optics supplier. All products from Radiotechnika are designed to provide a high level of electromagnetic compatibility.

MPE filter products are integral to many solutions offered by Radiotechnika, such as the company's high-reliability stabilised power supply. This solution is characterised by its high-performance energy conversion technology, in order to obtain efficiencies of up to 96% across the full working range. This level of efficiency is essential for the thermal balancing of equipment on in-vehicle systems such as heating, ventilating and air conditioning (HVAC).

The maximisation of efficiency, so that for example only 10% of electrical power is released into the environment as heat, has been a key consideration in the design of the advanced power supply, with all components and subsystems being required to conform to strict environmental factors. In line with this, MPE has provided continuous technical support during the design and verification phases, which have culminated in MPE supplying feedthrough capacitors and other specialised filters compliant with the emissions criteria laid down in MIL-STD-461F.

Sales of Radiotechnika's high-efficiency power supply solution continue to grow, as do the other areas of its business and, with high quality and reliability becoming ever more important factors, the demand for MPE's filter products in Poland is also increasing substantially.

**Silver Partner**

 **Radiotechnika**  
marketing sp. z o.o.

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