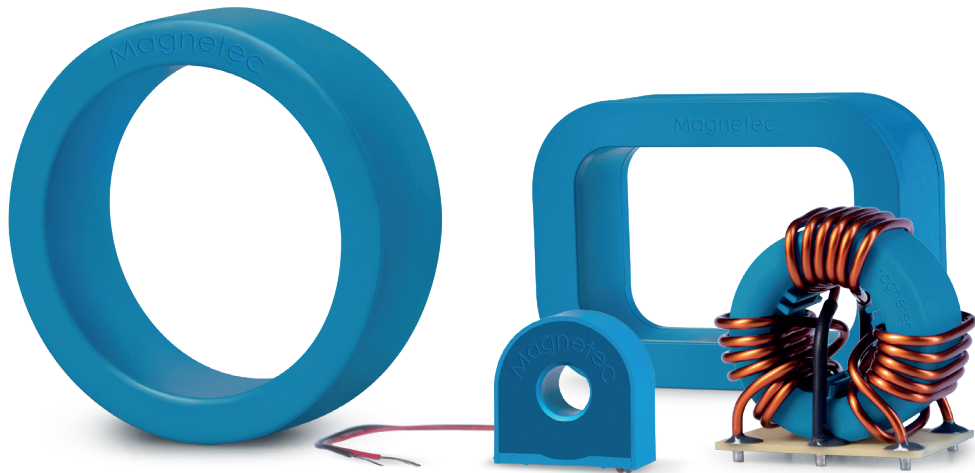


Contact us

Magnetec GmbH
Marie-Curie-Str. 1 | 63457 Hanau
www.magnetec.de
info.germany@magnetec.de

More Products



Learn more about
all products

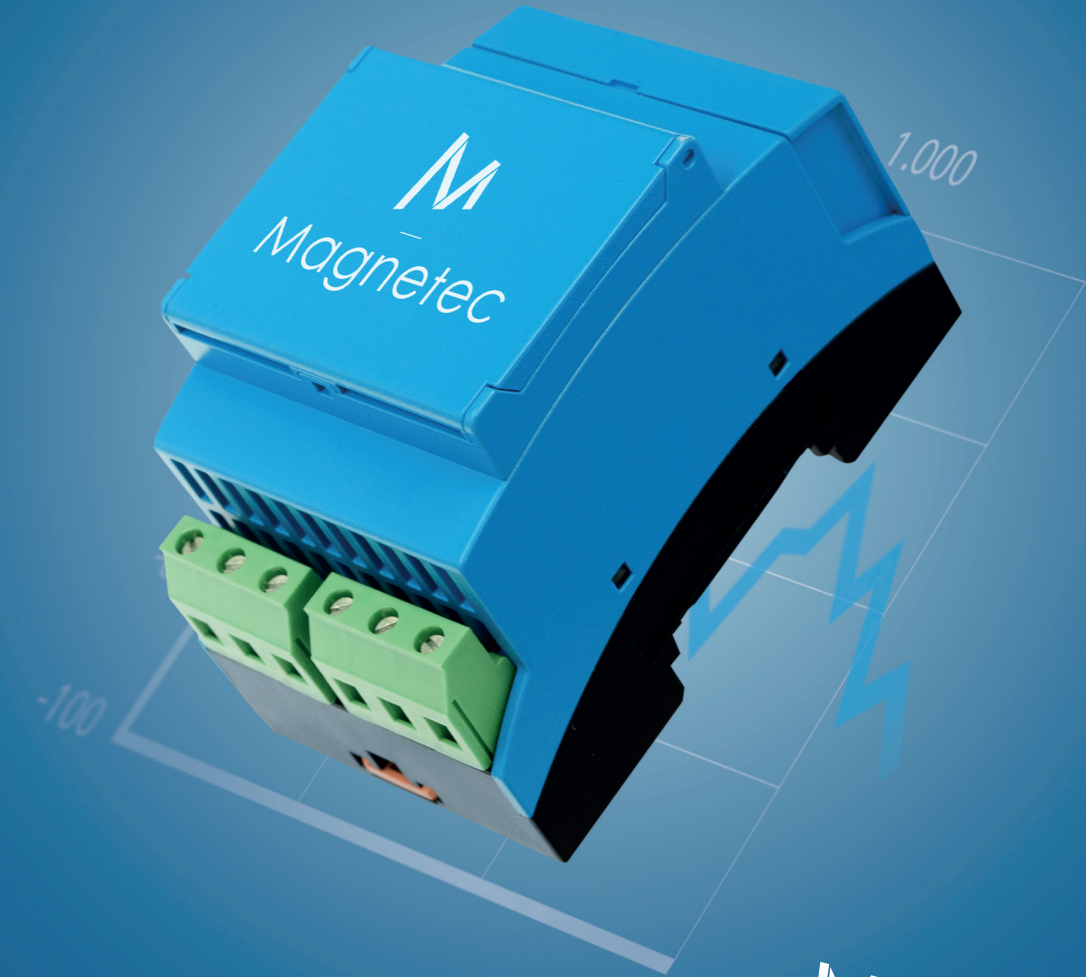
MAGNETEC – your partner for inductive components



Inductive top performance since 1984

- 40 years of experience
- Located in Germany, Hungary, Moldova, China, Vietnam and USA
- Global approach
- Broad range of nanocrystalline components
- Customized solutions
- 4 business areas: Automotive, Industry, Energy, Safety

Boost Performance with Advanced **Active EMC Filter** Solutions



www.magnetec.de


Magnetec

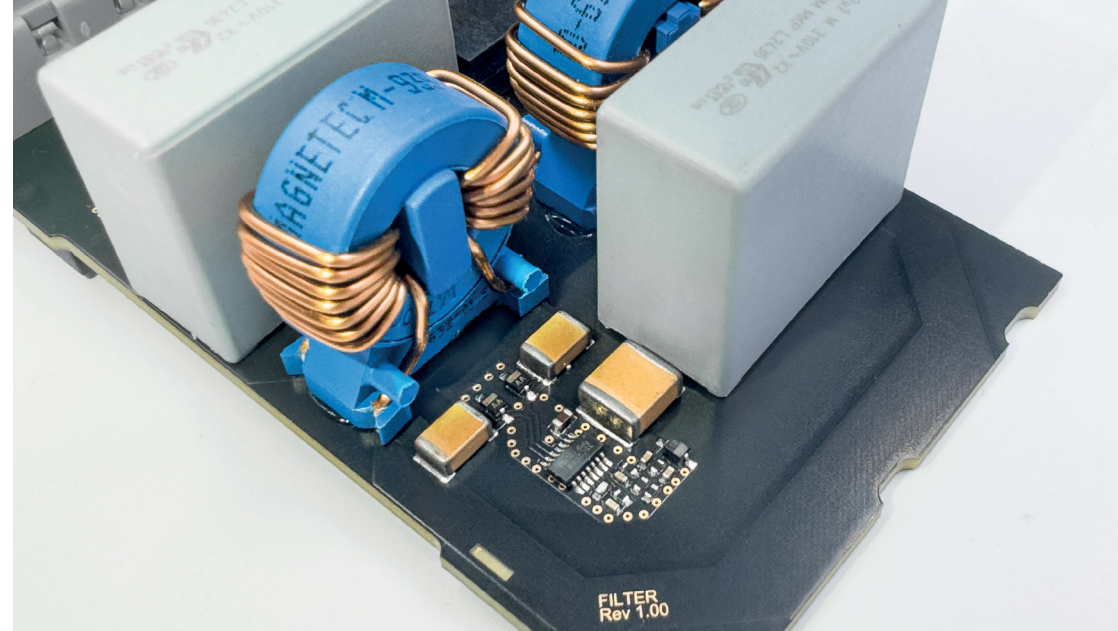
Precision EMC Control with Nanocrystalline Technology

Magnetec's Active EMC Filter ensures superior noise suppression, power stability, and energy efficiency. It reduces harmonic distortion, stabilizes voltage, and minimizes interference-related energy loss. Thanks to nanocrystalline cores, it delivers high performance in a compact form factor, ideal for space-constrained setups. Built to endure harsh conditions, it dynamically adapts to varying loads and frequencies, ensuring reliable operation and compliance with EMC standards.

Performance That Adapts to Your Industry's Needs

- Variable Frequency Drives (VFDs)
- Robotics and Automation Systems
- Medical Equipment
- Renewable Energy Systems
- EV Charging Stations
- Data Centers

Designed to meet the needs of demanding applications, it guarantees high efficiency and consistent operation in the most challenging environments.



Highlights of the Active EMC Filter – Designed to Meet the Demands of Modern Applications

✓ Nanoperm® Cores with High Magnetic Permeability

Delivers high performance within a compact, space-saving design, making it ideal for installations where space is limited.

✓ Simple Design and Standard Interfaces

Ensures quick and easy integration into various systems, reducing setup time and complexity.

✓ Two-Stage Filtering with Active Components

Provides superior noise suppression by targeting conducted common-mode noise, outperforming passive filters of similar size.

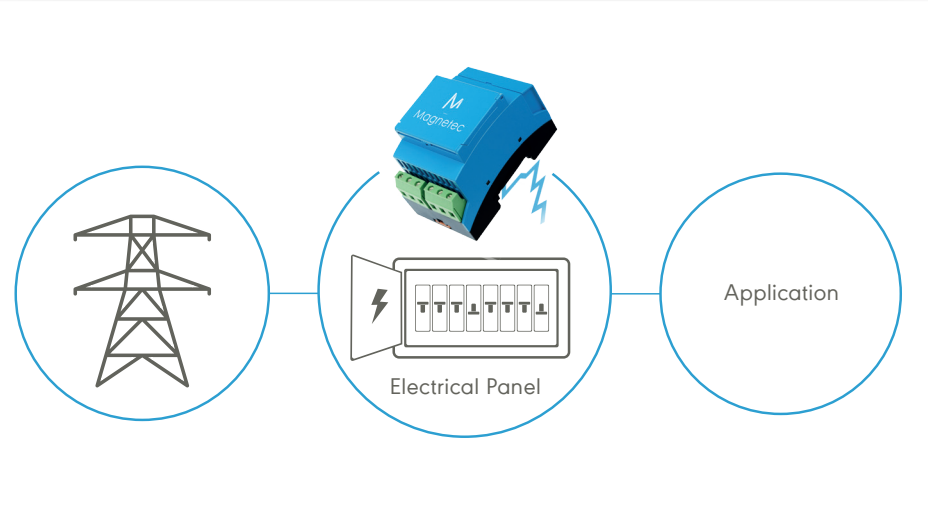
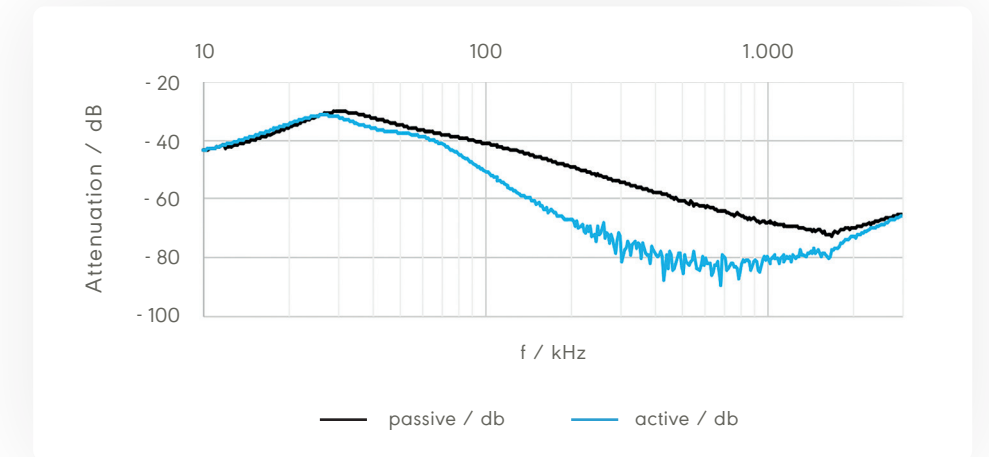
✓ Operation Temperature up to 105°C and Robust Build Quality

Offers rugged reliability and consistent performance even in harsh environments and extreme conditions.

Same Footprint, Superior Performance with Magnetec's Active EMC Filter

With the same footprint as a passive filter, Magnetec's Active EMC Filter provides a significant boost in attenuation. It offers superior suppression of conducted common-mode (CM) noise, optimizing performance without increasing size or complexity. This advanced design ensures better noise management while maintaining a compact and space-saving form factor – making it the ideal choice for high-performance applications.

Below is a comparison that highlights the performance advantages of the Active EMC Filter over a traditional passive filter.



Why Is Magnetec's Active EMC Filter the Best Solution?

- Experience superior noise attenuation
- Optimized for conducted common-mode disturbances
- Quick installation
- Ensure EMC compliance
- High reliability and rugged design
- For demanding applications across a wide range of industries