

SMA MAGNETICS

PRODUCT

CATALOG



We are a reliable supplier of innovative products
and sustainable development solutions



SMA MAGNETICS

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ABOUT US



Industry Expertise

Decades of experience in designing and production of high quality magnetic components for high frequency power converters.

Proven Track Record

A history of successful projects and strategic partnerships that reinforce our reputation.

Cutting-Edge Technology

Advanced design and testing techniques in magnetics, power electronics and mechanics.

Tailored Solutions

Designing high quality custom-tailored products. We provide complete engineering to order services to supply our customers with efficient and cost-effective solutions.



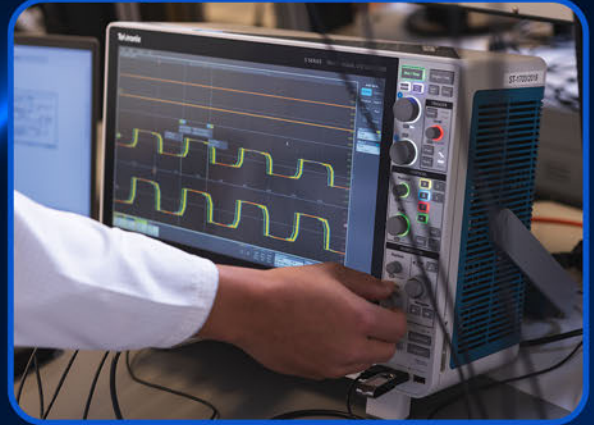
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TAILORED SERVICES

ENGINEERING

We provide complete engineering to order services to supply our customers with efficient and cost-effective magnetic components.

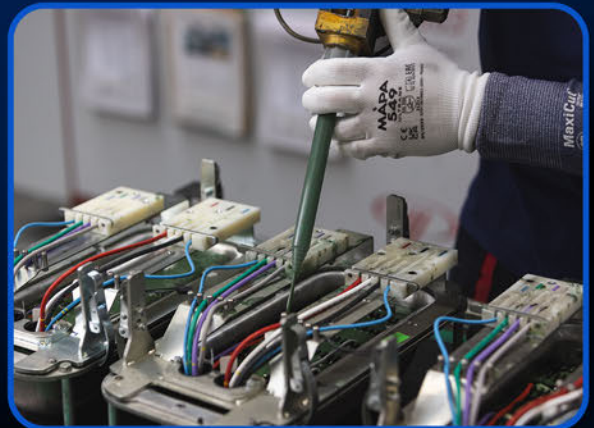


WINDING

We specialize in multiple winding techniques such as linear, toroidal, edge, flat wound, progressive, and multi-layer configurations, adapting to your specific design requirements.

POTTING

We specialize in encapsulation techniques that protect against moisture, dust, and environmental stress, using the right materials for each application.



ASSEMBLING

Our in-house team handles everything from component assembly and electrical wiring to building complete functional units, tailored to your specifications.

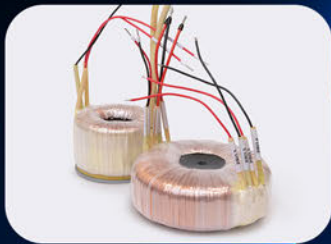
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PRODUCT PORTFOLIO

TRANSFORMERS

Reliable. Efficient. Engineered for performance.



- High efficiency – optimized cores and precise windings reduce losses.
- Stable output – consistent voltage or current for sensitive systems.
- Durable construction – insulation classes B, F, or H for long service life
- Compact design
- Custom options – multiple power ratings, winding setups, and mounting styles
- Typical parameters: primary voltage: $\leq 1500V$, secondary voltage: $\leq 1500V$, frequency $> 10kHz$

CURRENT TRANSFORMERS

Accurate current sensing and system protection

- EN 61869-2 compliant design for precise and reliable current measurement
- High-accuracy classes 0.2S and 3 for metering applications
- Wide operating range: 15 A to 8000 A



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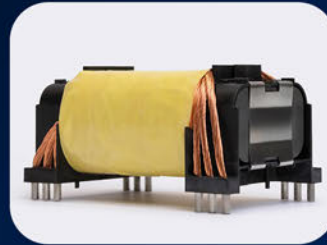
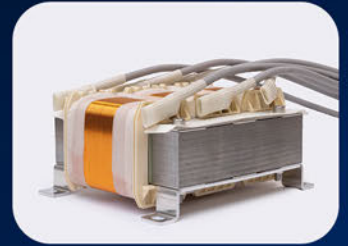
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PRODUCT PORTFOLIO

CHOKES

Reliable filtering and power stability

- High-performance filtering
- Low power losses: optimized materials for higher efficiency
- Robust construction: durable, vibration resistant design
- Thermal stability: reliable at high temperatures
- Custom solutions: tailored inductance, current, and mounting options
- Rated voltage: 5000 V
- Insulation class: B,F or H
- Protection class: IP00 - IP67



COMMON MODE CHOKES

Effective EMI filtering and signal integrity



- Effective suppression of common mode noise
- High impedance over a wide frequency range
- Low insertion loss for differential signals
- Compact and reliable construction
- Compliant with RoHS and industry safety standards (model dependent)

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PRODUCT PORTFOLIO

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SPECIAL SOLUTIONS

Optimized integration for high performance power electronics

- Integrated design – multiple components in one unit
- Improved performance – lower losses, cleaner power
- High reliability – solid design, fewer connections
- Space & cost savings – compact and efficient
- Customizable – tailored electrical and mechanical options



MARKET SEGMENTS



RENEWABLE ENERGY

High performance magnetic components for photovoltaic and power electronics



RAILWAY

Reliable components for railway on-board systems and turnout heating



INDUSTRY

Magnetic components engineered for industrial reliability



EV CHARGERS

Reliable power conversion for fast charging stations and on-board EV systems

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WHY SMA MAGNETICS



End to end engineering support



Interdisciplinary expertise



Complex products design and testing



The highest quality standards



Manufacturing processes optimization



Product life cycle support



SMA MAGNETICS

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