



Fraunhofer
ISIT

Fraunhofer-Institut für
Siliziumtechnologie ISIT

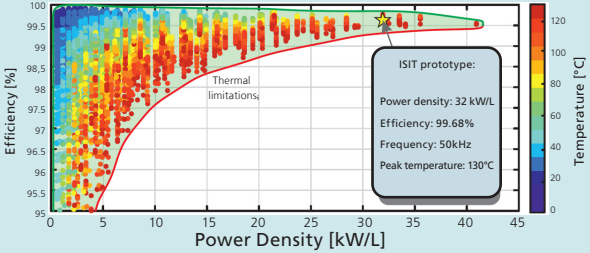
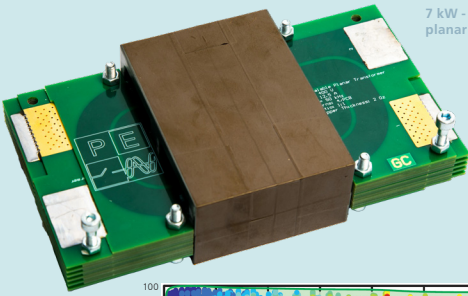
Planar Magnetics

Compact and low profile
transformers & inductors

We develop custom planar magnetics with:

- High power density for demanding applications
- Controlled parasitic elements and excellent reproducibility
- Low profile designs
- Broad frequency range, operation up to >200 kHz
- High power ratings, handling up to >30 kW

7 kW - 50 kHz - 800 V:800 V
planar transformer



Planar magnetics efficiency vs. power density: Pareto optimisation

Fraunhofer ISIT works closely with partners and clients to develop application-specific planar magnetics and converters. Our solutions are built on proven expertise in designing and testing planar transformers tailored to your needs.

Our expertise:

- Multiphysics approach, enabling a holistic, system-level approach to optimize performance
- Multi-objective optimisation, to reach the best design trade-offs
- Advanced testing and characterisation, utilizing state-of-the-art laboratories with ratings up to 10 kV

Tell us about your needs – let's create solution together!

Fraunhofer ISIT
Electronic Energy Systems

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