

# CONVERTERS

TAILORED TO OUR CLIENTS' UNIQUE REQUIREMENTS

GT designs and manufactures all kind of customized high frequency switching transformers in various geometry like EE, EF, ETD, EFD, RM, PQ, EI, ER, EP and toroidal. The operation frequency range is up to 200KHz.

## Features and Versions

- producing geometry like EE, EF, ETD, EFD, RM, PQ, EI, ER, EP and toroidal
- using iron powder, Si-Fe, Nano crystalline and amorphous ferrites
- manufacturing with mounting / base plate or encapsulated with potting / vacuum potting
- mounting can be horizontal or vertical
- manufacturing in customized terminals like SMD PIN, through hole PIN or flying leads with crimp/connectors
- Construction according to EN 61558-1, UL insulation system for class F (GT owned), RoHS and REACH conformity

## SMPS Transformer

GT offers a wide range of customized SMPS transformers. These transformers are used extensively in electronic applications, usually within a switch mode power supply.

## Fly Back Transformer

Fly Back transformers (also called Line Output Transformers or LOPT) are designed to generate high voltage saw tooth signals with relatively high frequency. They are used in SMPS.

## Push-Pull Transformer

Push-Pull transformers (also called Buck-Boost transformer) are widely used in converting direct current (DC) voltage into another value of DC voltage.

Push-Pull transformers are usually the preferred choice in high power switching transformer applications up to one kilowatt.



### Forward Transformer

Forward transformers are also popular switched mode power supply (SMPS) circuits, used for producing isolated and controlled DC voltage from unregulated DC input supply.

Forward transformers are used in ranges from 100W to 500W, whereas Flyback transmitters are particularly suited for low power applications.

### Special Customized Transformer

GT is your professional partner for all special applications and customized transformers.

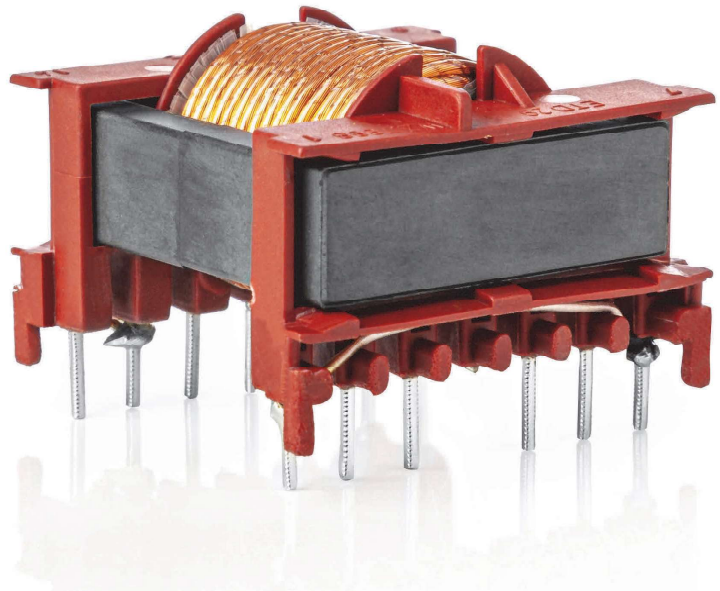
### SMD Components

Surface-Mount Technology (SMT) is a special method of producing electronic circuits where the

components are mounted or placed directly onto the surface of Printed Circuit Boards (PCBs). Such an electronic device is called Surface-Mount Device (SMD). We offer a blister package facility for SMD products.

### Advantages from SMD compared with through-hole technique

- higher density of connections because routing space on inner or back-side layers is not blocked by holes
- less holes need to be drilled
- lower initial costs and less time for production start
- better EMC performance



*At GT we design, develop, produce and deliver transformers, chokes, coils and converters for medium-sized businesses and corporations, tailored to their unique requirements. How can we support you?*

*Contact us!*

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