

# Transformers



METH s.r.l. designs and manufactures electric transformers since 1980 focusing on the quality of its product performance, thanks to 30 years of experience in this business. Since 1998 multiple national and international certifications are the result of a continuous effort in updating our products to meet worldwide standards and requirements.

Meth is specialized in manufacturing single-phase electric transformers from 3,2VA to 80kVA and three-phase transformers from 100VA to 1000kVA, for applications in different fields from industrial to automation to photovoltaic to marine.

## **SINGLE-PHASE TRANSFORMERS**

T1-T1QT1ULF-T1UL Low-voltage single-phase isolating and safety transformers ENEC and UL-CSA

T1B Low-voltage single-phase isolating and safety transformers input/output in 2 sides – class F

T1C Low-voltage single-phase isolating and safety transformers input/output in 1 side – class F

T1-IT Low-voltage single-phase isolating and safety transformers – class B

T1P Low-voltage single-phase isolating and safety transformers with resettable switch

T1U Low-voltage single-phase univesal input low-voltage isolating and safety transformers

T1L Low-voltage single-phase isolating and safety transformers for screw or DIN bar installation IP20

T2 Low-voltage single-phase dry-type transformers from 5 to 80 kVA

T2H Low-voltage single-phase transformers for medical locations

T1Q-GL Low-voltage single-phase transformers for marine applications

T5-T6-T7 PCB transformers

## **THREE-PHASE TRANSFORMERS & AUTO-TRANSFORMERS**

T3TULF-T3TUL Low-voltage three-phase general purpose transformers UL-CSA marked up to 25 kVA

T3T Low-voltage three-phase isolating and safety transformers up to 40kVA

T3T Low-voltage three-phase dry-type power transformers up to 1000kVA

T3TAH-UL Low-voltage three-phase industrial control transformers UL-CSA up to 80kVA

AT3TH-UL Low-voltage three-phase industrial control auto-transformers UL-CSA up to 250kVA

T3X Low-voltage three-phase dry-type power transformers with protection degree IP55

T3SL LOW-LOSSES three-phase SLIM-LINE transformers ECO DESIGN pag. 33

T3T-FTV Low-voltage three-phase isolating transformers for “Renewable Energies” class B

Three-phase auto-transformers and reactors motors starting

## **REACTORS**

R3F Three-phase filter reactors

R3L Three-phase smoothing reactors



## Planar Magnetics



Standex Electronics planar magnetics include [planar transformers](#) and [planar inductors](#) available in a variety of standard core sizes with custom configurations. As more and more industries begin to feel the push toward higher efficiency and performance along with miniaturization, the planar transformer continues to emerge as an alternative to wire-wound transformers, making it ideal in certain application “sweet spots”. “This solution makes so much sense for today’s applications, and when you combine planar transformers with excellent engineering, you can get a solution that not only saves you space, time, and costs, but suits your needs uniquely and specifically. ” We are your “Application Engineering Experts”. Check out our [Planar Magnetics Design Guide](#) for more on their unique advantages: Patented (U.S. PAT. 7,129,809) header and terminal (U.S. PAT.7,460,002) design yielding superior thermal management • Direct thermal contact between bottom of ferrite core and heat dissipating substrate • Can attach to a substrate/heatsink with controlled temperature • Stable and precise co-planarity of terminals on both sides • Excellent solderability characteristics • Planar turn surface in direct contact core backwall, thus greatly improving thermal conductivity and reducing EMI • Flexible, low impedance terminations • Operate without any air flow for cooling • Meets required min. 8mm clearance and creepage

## Power Magnetics

<https://standelectronic.com/products/magnetics/>



Standex Electronics' ATC-Frost Magnetics Division offers a broad range of standard and custom power magnetics to fit most any need in low frequency (50/60Hz to 400Hz range) and high frequency (20 KHz to RF range), power inductors and common mode chokes. A power transformer is selected to convert a primary supply voltage to a secondary voltage level either lower, higher, or the same as the prime voltage without much or any consideration given for matching of circuit impedances. ATC-Frost Magnetics winds all power transformers on quality electrical grade steel cores to concentrate the magnetic flux and provide a high degree of inductive coupling. Smallest surface mount toroidal power chip inductors in the industry. A toroidal common mode choke can be specified with exact value required from an economical family of standard products - they can be configured for vertical or horizontal mounting, with or without base. Standard or custom designs can be proven in industry-leading environmental and electrical test lab. Most of these products are UL/CSA recognized or are designed to meet UL/ CSA/VDE requirements - with other agency approvals gained as needed. Our unsurpassed in-house capabilities (stamping, molding, winding and termination) mean we can tailor a standard product or start from scratch with a new design. From basic transformer coils to value added assemblies, Standex Electronics will engineer a power magnetics custom solution that is on target and on budget. "CUSTOM IS STANDARD" | Medical, Military and Aerospace design engineers trust Standex Electronics for planar transformers, Scott-T transformers, power supplies, current sense and custom electronic components.