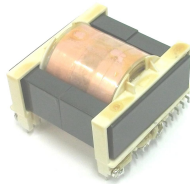


Inductive components

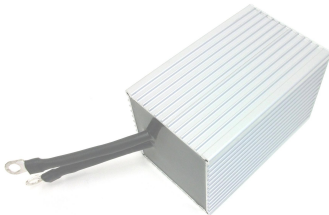
The company HEOL develops in close cooperation with the customers customized solutions. Complex projects and special designs are implemented by the expertise of specialists and a wide range of manufacture. A close cooperation with research projects at universities strengthen the competence of the construction of inductive components. The final product will be accompanied to the production stage, and the production process will be defined according to the quality norm ISO 9001. Extensive testing and documentation guarantee the highest possible quality. A global sourcing network gives the ability to use special materials for new developments.



Push pull converter 5000 VA
 Input voltage: 600 V
 Output current: 25 A
 Frequency: 200 kHz
 Dimensions (B x H x T): 67 x 47 x 65 mm
 Version: varnished, pcb mounting
 Application: safe galvanic isolation, pulsed DC-DC-converter



Resonance converter 800 VA
 Input voltage: 400 V
 Output current: 15 A
 Frequency: 120 kHz
 Dimensions (B x H x T): 47 x 50 x 45 mm
 Version: encapsulated, reinforced insulation,pcb mounting
 Application: LLC-power supply LED-industrial lighting



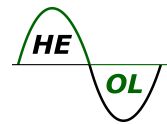
Power choke 2,2 mH
 Rated current: 26 A
 Peak current: 40 A
 Ripple current: 2,6 A
 Frequency: 40 kHz
 Dimensions (B x H x T): 110 x 110 x 165 mm
 Version: encapsulated in heatsink with optimized heat dissipation
 Application: Energy management battery charging system



DC-storage choke 1,7 mH
 Rated current: 24 A
 Peak current: 38 A
 Ripple current: 6 A
 Frequency: 15 kHz
 Dimensions (B x H x T): 120 x 50 x 190 mm
 Version: encapsulated, flat design
 Application: Energy recovery system block heat power station



AC-sine choke 1,2 mH
 Rated current: 60 A
 Peak current: 85 A
 Ripple current: 12 A
 Frequency: 20 kHz
 Dimensions (B x H x T): 170 x 180 x 80 mm
 Version: amorphous core, high efficiency
 Application: Output filter for inverter renewable energy sources



Inductive components

Transformers:	Flyback transformers, single-ended forward converter, full bridge push pull converter, resonance converter, ignition transformers, high current transformers, drive transformers
Cokes:	Storage chokes, PFC-chokes, three phase-line reactors, buck-boost inductors, suppression chokes, common-mode chokes, ac-sine filter chokes
Frequency:	8 kHz up to 500 kHz
Current:	up to 500 A
Power:	up to 200 kVA
Cores:	EE, EFD, ETD, RM, UI, UU, PQ, toroids, blocks
Version:	PCB mounting, smd, encapsulated, varnished
Connections:	Pins, smd-pads, free wires, ring cable lugs
Core material:	Ferrite, iron powder, MPP, High-Flux, Kool M μ , AmoFlux, amorphous- / nanocrystalline alloys
Winding material:	High frequency litz wire for reduction skin- und proximity effects, copper strips, tripple isolated wires for reinforced insulation temperature class E / B / F), zero-defect enamelled round copper wire (FIW)
Safety:	Clearance and creepage distances according to the specified isolation design and overvoltage category to customer specifications
Quality:	Initial sample inspection report, 100% eletrical test, high potential test , inductance, turn ratio, polarity, dc- resistance, surge test, leakage inductance
Application:	Inverter topology renewable energy, induction heating, welding- and laser technology, measuring and process control ,ups-systems, battery chargers