

Company Line card

Wijdeven KUK - reliability for life



Wijdeven designs, develops and produces transformers and coils based on custom applications and specifications.



Orthocyclic winding

- Self-supporting orthocyclic coil winding/ air coils
- Potting (vacuum)
- High filling factor : 70 - 90% Cu
- Thin foil ($>50 \mu\text{m}$), round wire ($> 50 \mu\text{m}$), flat wire and rectangular wire
- Wire bonds together into a compact unit when heated

- Less copper, less volume, less weight, more efficiency



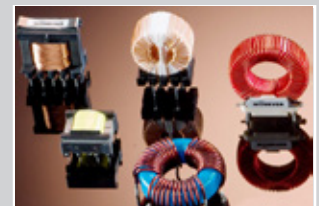
Low Frequency Transformers & Coils

- Single-phase 50-400 Hz
- Three-phase 50-400 Hz
- Cores: EI, UI, C, toroids
- Vacuum impregnation, potting
- Transformers: Safety, High voltage, Auto, Current
- 20VA - 5 MVA (IP00 to IP65)



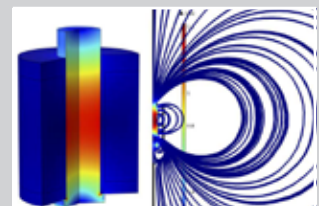
High Frequency Transformers & Coils

- Ultra thin wire, starting at $16 \mu\text{m}$
- Cores: E/ EFD/ RM/ ETD/ UI/ P/ PQ/ toroidal cores/ rod core
- SMD and through hole, axial and radial, air, high voltage
- Material: High flux, MPP, amorphous, ferrite, powder iron, nanocrystalline
- Ferrite : Flyback, forward, push-pull, half-and full bridge, common mode
- 10kHz - 10mHz frequency range
- 1V-25kV voltage range



Engineering/ FEM

- Expertise to develop your product from early involvement to end-of-life throughout the lifecycle of your product application.
- Modern tools and software; 3D-CAD Inventor, Comsol (FEM), Rale, E-plan, AutoCAD, 3D printing, Rapid Prototyping.
- The Finite Element Method (FEM) is a numerical technique for finding solutions to partial differential equations.



Standards

ISO 9001:2008, EN61558, CE, UL, CSA, Lloyd's standards, GL, DNV, ABS, Rina

Markets

Electronics, OEM Machinery & Equipment, Telecom & Security, Motion, Mobility, Healthcare Measurement & Control.

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