



Ferrite Cores



TDK-EPCOS is the most technically advanced, most widely known ferrite manufacturer in the world. They offer power materials up 4MHz: PC47/PC90/PC95/PC200 (4MHz) and EPCOS N97/N92/N95/PC200 (4MHz) along with high permeability materials up to 15K permeability: TDK H5C3/ EPCOS T46.



ACME is one of the largest ferrite core producers in the world. They offer standard power and high permeability materials along with High Bs materials: P42, P49 and Lower Loss materials: P4, P41, P44, P48.



TDG offers standard power and high permeability materials with a wide selection of shapes and sizes. Their power materials include: P5, P51, P52, P6, P61 (6MHz) along with wide temperature PV stability materials: P46, P47, P45, P47L.



Cosmo pioneered manufacturing and export of Mn-Zn soft ferrites from India. Cosmo offers comparable power and high permeability materials in industry standard shapes and specialize in large ferrite sizes. No China tariffs!

Powder Cores



Chang Sung (CSC) is the world's largest producer of powder cores. Including Sendust, MegaFlux, HighFlux, High Flux Titanium, and MPP.

Cores shapes: Toroid's, EE/ER/EER, EQ, Block/Ellipse.

Nanocrystalline / Amorphous



Magnetec is the premier producer of nanocrystalline cores in the world. Cores for common mode choke, EMI filter, current transformer, motor bearing protection, smart grid metering, and overvoltage noise protection.

Amorphous, Nickel Iron, Custom Nanocrystalline



MH&W has partnered with leading OEM suppliers of amorphous cores, 80% nickel iron alloy cores, and standard and custom nanocrystalline cores. The core configurations include toroid's, gapped toroid's, cut cores, and specialty stamping. CC Amorphous Cut Cores, DC Current Immunity Composite Cores, Amorphous Choke Cores, Perm-Alloy Cores, Amorphous Choke Cores with Air Gap, Custom Nanocrystalline.

Bobbins and Accessories



Pin Shine, Mingxing, Norwe, Taiwan Shulin, and more. Thermoplastic bobbins from Asia and Germany. Thermoset bobbins from Germany. Stainless steel accessories from Asia and Germany. Short lead time!

Diodes and Rectifiers



Diotec, German manufacture of diodes and regulators, is a step ahead of the competition with smaller size, less weight, and more power. Don't waste valuable board space! Integrate more by combining more functions into one package

MH&W is the expert in the field of magnetics and magnetic design.



Online Catalog

- Order samples and small quantities direct online.
- Build customized quote requests.
- Browse product catalogs and documentation.

Special Services

- Just in time delivery.
- Critical part stocking.
- Safety Stock.
- Custom machining and fabrication.

Dropship

MH&W can drop ship parts direct to almost any location in the world.

- Shorter delivery times.
- Lower cost per unit.
- No 'detour' via USA.



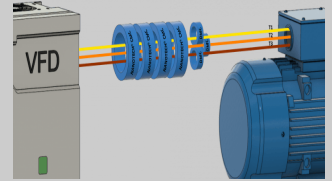
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Nanotech Common Mode & Differential Chokes

MH&W presents MNT Nanotech® common mode and differential mode chokes, for the highest reliability and longevity of your VFD motor system! VFD's create high frequency damaging motor bearing and high frequency circulating currents. If these currents aren't "choked" bearing damage, lubrication breakdown, electrical discharge machining (EDM), and sensor interference will result. Nanotech technology absorbs this high frequency damaging current before it gets to the motor.



Nanotech Kits

MH&W presents VFD/motor protection kits for the highest reliability of your system! Each kit is factory preselected for each VFD size, using specialized nanocrystalline cores, ready to be installed on appropriately sized VFD. The MH&W Nanotech® choke protection kits are the complete, easy to select, easy to install, solution to absorb the high frequency damaging current at the VFD before it gets to the motor.



If your product uses power, MH&W has experience with it.

Nanotech Shield

Nanotech® common mode, differential mode, and Radiated emission chokes. Complete EMI protection of unwanted conductive and radiated emissions generated from VFD to motor system.



Our engineers and staff have experience with the design and development of products including chillers, automotive electronics, welding equipment, wind/solar power generation, metering, agricultural processing, food and paper processing, elevators, LED lighting, HVAC, oil processing, medical, communications, computers/servers, and so much more.

Nanotech Radiated Emissions Chokes

MH&W presents Nanotech® Radiated Emissions Choke for the highest reliability and longevity of your variable frequency drive motor system! Unique to the industry, Nanotech® REC absorbs frequency noise in the approximate 3MHz-1GHz range. Nanotech® REC is used instead of shielded motor cabling. No more expensive, or troublesome installation of cabling.



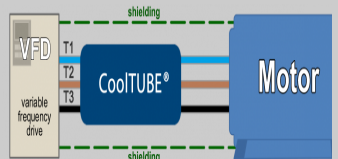
EPA Filters

Made in Germany, EPA produces high quality products with a 5-year warranty, cost-benefit ratio, customer specific labeling, fully custom solutions, and engineering support from a staff with over 25 years in EMC compliant products.

EPA is constantly developing new customized filtering solutions, both mechanically and electrically optimized, to ensure each solution applies precisely to the customer's needs.



Protect your motor from EDM problems!



Thermal Interface Material (TIM)

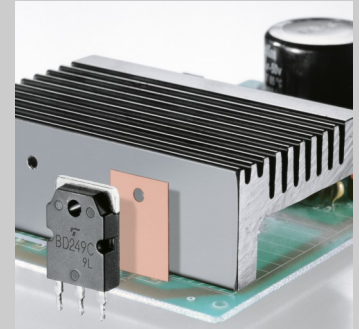


Keratherm

Keratherm® are highly flexible products that are comprised of thermally conductive and electrically insulating polymers, either single or multicomponent filled with ceramic or heat conducting materials

- Gap Fillers to 6.0 W/mK
- Silicone films to 8.0 W/mK
- Silicone free films to 6.0 W/mK
- Greases silicone and silicone free to 10.0 W/mK
- Double sided thermal tape
- Graphite films (XY plane) to 7.5 and >300 W/mK
- Thermally Conductive Injection Molding Granulate

All available in die cut pads



THERMAL CONSULTING

MH&W can help you solve your thermal problems.

- Thermal prediction of performance
- Prototyping- heat sinks
- Thermal solutions
- Free engineering sample book



Chang Sung (CSC)

Chang Sung's thermal interface materials (TIM) are heat radiating with high thermal conductivity and provide effective solutions to internal heating issues observed in various electronic devices.

- Silicone gap fillers to 5.5 W/mK
- Super Soft gap fillers to 3.0 W/mK
- Ultra Soft gap fillers to 3.0 W/mK
- Silicone films to 3.0 W/mK
- EMI Suppressor films 500 MHz to 6 GHz

All available in die cut pads



Custom Gaskets & Seals



Custom Gaskets & Seals

- Connector Gaskets, Waveguide Gaskets, Extrusions, Molded Products, O-Rings, EMI Shielding, Shock & Vibration mounts.

Available in a variety of material thicknesses and durometers



CUSTOM DIE and Water Jet CUTTING!

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