



MH&W INTERNATIONAL CORP.

MAGNETICS DIVISION

LINE CARD



Ferrite Cores

TDK and **TDK-EPCOS** the most technically advanced ferrite manufacturers in the world.



PC47/PC90/PC95(Power),
N97/N92/N95(Power),
HF90/T35(CMC)



ACME One of the three largest ferrite cores producer in the world.

High Bs materials: P42, P49
Lower Losses materials: P4, P41, P44, P48;
High Switching Frequency materials: P5, P51, P52, P6, P61 (6MHz);
Wide Temperature PV stability materials: P46, P47, P45, P47L
Shapes: Toroid, EE, ER, EFD, PQ, UI, U, POT, Planar cores, Blocks, |
Tailored shapes, Customized cores (Gapping, lapping, sorting, etc)



Cosmo pioneered manufacturing and export of Mn-Zn soft ferrites from India. They offer a broad spectrum of low loss and high permeability material in the common shapes.



Suzhou Guanda supplies materials GP4, GP44, GP95 through high-perm series GH5, GH7, GH10, GH12 and GH15.



TDG the largest manufacturer of ferrites in the world.
TP4D/TP4F/TP5B(Power), TBP22/TPW33(Power)

Powder Cores

Chang Sung (CSC) The world's largest producer of powder cores. Including Sendust, MegaFlux, HighFlux and MPP.
Core Shapes: Toroids, EE/ER/EER, EQ, Block/Ellipse



Nanocrystalline/Amorphous Cores

Magnetec Premier producer of Nanocrystalline Cores in the world. Cores for Common Mode Choke, EMI Filter, Current Transformer, Motor Bearing Protection, Smart Grid Metering, Overvoltage noise protection.



Bobbins & Accessories

Win Shine, Norwe, Pin Shine and Taiwan Shulin

Thermoplastic Bobbins from China and Germany.
Thermoset Bobbins from Germany.
Stainless Steel accessories from Asia and Germany.



Ultracapacitors

Nesscap premiere producer of Ultracapacitors and Pseudocapacitor provides 1s – 30s voltage hold-up at 2.3V and 2.7V, 3.0F – 6,000F.
High voltage standard and custom modules for metering, welding, crane, forklift, fuel cell, electric vehicle, car audio, SSD and other applications



DROP SHIPPING!

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

- ✓ shorter delivery times
- ✓ lower cost per unit
- ✓ no 'detour' via the USA



B2B ECOMMERCE

MH&W **DIRECT**

<http://direct.mhw-intl.com>

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

www.mhw-intl.com

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MH&W INTERNATIONAL CORP. THERMAL DIVISION

LINE CARD

Keratherm



Gap Fillers to 6.0 W/mK
 Silicone films to 6.5 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 W/mK (450.0 W/mK)
 -All available in die cut pads

Chang Sung (CSC)



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

eAPUS



Gap Fillers to 3.3 W/mK
 Silicone films with 1.3 W/mK
 Putty material with 5.0 W/mK
 Cost competitive solution
 -All available in die cut pads

GES



Graphite 0.1mm to 1.0mm
 Thermal conductivity (XY plane) to 12 W/mK (1,800 W/mK)
 -All available in die cut pads with and without adhesive

MH&W



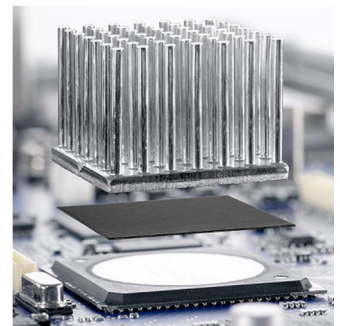
Thermal Consulting
 Cutting Service for low and high volumes
 Worldwide supply chain management



THERMAL CONSULTING!

MH&W can help you solve your thermal problems.

- ✓ Thermal prediction of performance
- ✓ Prototyping – heat sinks
- ✓ Thermal solutions
- ✓ Custom phase change materials



CUSTOM DIE and Water Jet CUTTING!

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