



# MH&W INTERNATIONAL CORP.

## MAGNETICS DIVISION

### LINE CARD



**EPCOS**



#### 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](http://www.mhw-intl.com)**

**[sales@mhw-intl.com](mailto:sales@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 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 to 7.5 and 450.0 W/mK

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
- ✓ Custom phase change materials



#### CUSTOM DIE and Water Jet CUTTING!



#### Chang Sung (CSC)

Low Silicone gap fillers to 5.0 W/mK  
New Super Soft gap fillers to 3.0 W/mK  
Hybrid Silicone film/gap filler to 3.0 W/mK  
New Ultra Soft gap fillers to 3.0 W/mK  
EMI Suppressor films 500 MHz to 6 GHz

All available in die cut pads



#### Btech Corp.

High performance thermoplastic bonding film  
utilizing graphite fiber rated at 750.0 W/mK  
on the z-axis  
Excellent for high performance applications.



#### MH&W

Custom Phase Change Material  
DAPCM series  
Thermal Consulting

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