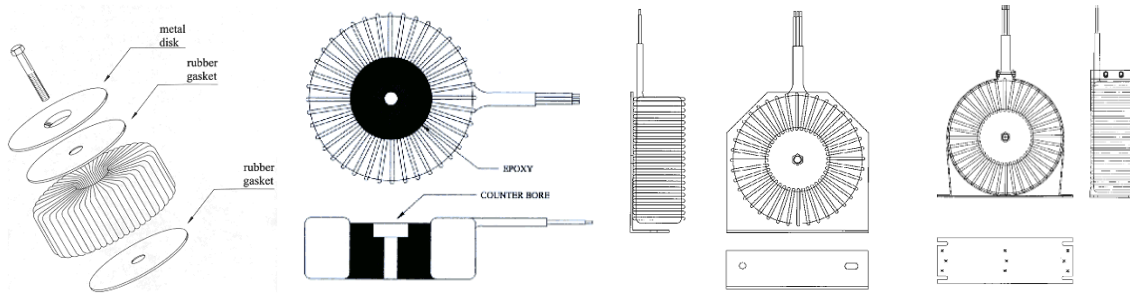


Acme Electric – Toroids –During our travels around the State of Florida we often have customers ask us what is the best way to mount a toroid. Of course there is no right answer to this question, but there are several solutions. The most common we see is a metal disk with rubber gaskets for horizontal mounting. The center of the toroid can be potted with a counter bore as in the picture below or potted in a metal case. There are several ways to mount them vertically including L brackets and clamping brackets. Mix and match what works best for you. Please visit the Amveco web site for more ideas: www.amveco.com



Bolt & Gaskets

Potted

L-Bracket

Clamping Bracket

Advanced Monolithic Ceramics (AMC) – Capacitors – AMC’s focus product for this issue is their **high temperature chip capacitors**. This family is able to withstand temperature extremes of up to 200C. The family is available in 0805, 1206, 1210, 1812, 1825 and 2225 packages and NPO and X7R dielectric. Standard voltages are 50, 100 and 200V and custom sizes and voltages are also a possibility. This family of devices is suitable for oil well logging (down hole), geophysical probes and jet engine controls as well as power supply applications with high ambient temperatures and no air flow. If you would like to try out some samples, contact your EMA sales rep. To learn more visit their web site at: www.amccaps.com

Cambion – Transformers –Cambion has introduced a Z axis RFID transponder antenna coil. Measuring 8 mm in diameter and 5 mm high, this new coil is designed for applications requiring a low profile surface mounted antenna whose magnetic field is perpendicular to the circuit board. Optimized for 125 KHz, this coil has good stability over the temperature range of -40C to +85C. For more information visit their web site at: www.cambion.com or call your EMA sales rep for samples.



Transponder Antenna Coil

Combat Warrior Sales – Distributor – CWS is a **service disabled veteran owned** small disadvantaged business. Their focus is electronic components. Currently, they have formal agreements in place with **Cinch** (connectors), **Isodyne** (back shells), **RO Associates** (brick power supplies), **Spectrum Advanced Specialty Products** (filter connectors), **UEC Electronics** (mil/aero design & manufacturing), **Wall Industries** (power supplies), and **Woven Electronics** (cable assemblies). They also have informal agreements in place with all of EMA's principals and are able to negotiate special pricing with the management of those companies. CWS is not a serious threat to the big guys, but they can help you attain your government contract set aside goals. Contact your EMA sales rep or CWS directly. Their web site is: www.combatwarriorsales.com

Cosmotronic – Military & commercial bare boards – Cosmotronic will be exhibiting at the PCB West Conference in Santa Clara, CA September 15th & 16th. Please stop by booth number 55 to meet them and discuss your needs. Cosmotronic's web site is: www.cosmotronic.com

EverSpin – Non-volatile RAM – EverSpin has been recognized by the Siemens Industrial Automation Division for perfect quality. Having shipped over 100,000 MRAM devices in the last two years to Siemens without a single field defect, Everspin is raising the bar for the industry. Siemens uses MRAM devices to maintain software –programmable logic controller (SoftPLC) process data for its multi-panel human machine interface (HMI) products without battery backup. To learn more about their technology, visit www.everspin.com

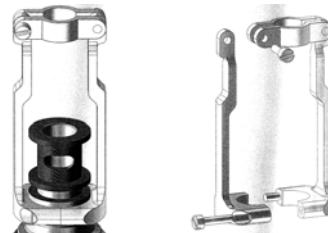
Isodyne – EMI back shells – Isodyne has introduced a new low profile bulkhead back shell. Not everything they do is a new innovation but they do try to be as flexible as possible when solving customer problems. One of their strong suits has always been that their product is tool-less, so you can imagine their dilemma when one of their large customers insisted that they had to have a saddle clamp or it was a show stopper. Here is the solution they came up with. It is not tool-less unfortunately but it only requires a screwdriver and 2 screws to install. Contact EMA or visit: www.isodyneinc.com for more information.



Low Profile Bulkhead Back Shell



Saddle Clamp





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MagLayers USA – Chip beads & Inductors – MagLayers, a leading global manufacturer of multi-layer magnetic inductors, ferrites and LTCC products is pleased to announce that their manufacturing facilities have passed the registration audit and are **qualified to ISO/TS 16949**, the highest international standard for the automotive industry. MagLayers achieved this certification by demonstrating a strong commitment to quality procedures, best use business practices and strong leadership coupled with a solid infrastructure. MagLayers continues to excel in areas of customer satisfaction, process improvement and product development. MagLayers also holds certificates to **ISO 14001:2004** and **ISO 9001:2000**. Their web site is: www.maglayersusa.com

NDK America – Crystals & Oscillators –NDK reported their annual sales for fiscal year 2009 and it was a tough year for profits but sales were reported at \$605M, which keeps them clearly in the top position in the world market. 2009 was a landmark year as NDK celebrated their 60th year of operation. Our focus product this month is the NT3225SA. Measuring 3.2 x 2.5 x .9 mm this tiny TCXO is suitable for precision GPS applications with frequency stability of .5 ppm. Standard nominal frequencies are 16.367 MHz to 27.456 MHz but non-standard frequencies are also available. Current consumption is 1.5 mA maximum and standard temperature range is -30+85C. NDK's web site for other product information is located at: <http://www.ndk.com>

Synergy Microwave – VCO's/Synthesizers – Synergy has announced several new VCOs in the tiny .3" x .3" surface mount package. Products are offered in both 5V and 3V versions. The frequency ranges currently available include: 1700-3400, 2000-4000, 3000-6000, 4000-8000, 4325-4950, 4730-5420, 4900-5175, 4950-5500, 6080-6340, 6150-7120, 8100-8800 and 9000-9650 MHz. Please contact us for any special requirements you may have and for additional information go to www.synergymw.com

TennMax USA – EMI/RFI/Thermal Solutions – TennMax's U.S. based (State of Washington) robotic form in place gasket facility is open for business. They are ready to dispense conductive and environmental gasketing material or even provide full turnkey clam shells or cases to your specs. Hopefully this will help our customers to avoid the pesky ITAR issues that can crop up when dealing with a Taiwanese based company. TennMax can dispense Laird or Chomerics material but they prefer to use their own for best results. The TennMax web site is: www.tennmaxusa.com



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Distribution Information:

Acme Electric (Acme, Actown, Amveco) – [DigiKey](#), [Go Electronics](#)
AMC (Advanced Monolithic Ceramics) – [Arrow](#), [LXI](#), [Newark](#), [Simcona](#), [SMD](#)
Cambion – [Bisco](#), [Century Fasteners](#), [GE Supply](#), [Heilind](#), [Newark](#)
Cosmotronic – None – [send Gerber data to quote@cosmotronic.com](mailto:quote@cosmotronic.com)
EverSpin – [Arrow](#), [Avnet](#), [DigiKey](#), [Farnell](#), [Future](#)
Isodyne – [Combat Warrior Sales](#), [Mil-Stock](#), [SEA Wire & Cable](#)
Kaga Electronics (Volgen Power) – [DigiKey](#) – [send quotes to mburks@volgen.com](mailto:mburks@volgen.com)
Maglayers – [Edge](#), [Projections Unlimited](#)
NDK – [Dependable](#), [Dove](#), [WPG Americas \(formerly Jaco\)](#)
Rectron – [Chris Electronics](#), [Edge](#), [Mouser](#)
RF Lambda – None – [send quotes to michael@rflambda.com](mailto:michael@rflambda.com)
Riedon – [DigiKey](#), [NRC](#)
RO Associates – None - [send quotes to your EMA sales rep](#)
Synergy Microwave – None – [send quotes to garcia@synergymwave.com](mailto:garcia@synergymwave.com)
TennMax USA – None – [send quotes to jeff@tennmaxusa.com](mailto:jeff@tennmaxusa.com)
United Electronics – None – [send Gerber data to bill.sales@unitedel.com](mailto:bill.sales@unitedel.com)
Volgen Power – see [Kaga Electronics](#)
Winonics – None – [send Gerber data to rfq@winonics.com](mailto:rfq@winonics.com)

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