



CUSTOMER NEWSLETTER

Acme Electric – Magnetics – Acme held their first sales conference in more than 15 years to introduce new products to their rep channel. All three divisions – Acme Power, Actown, and Amveco were represented. In addition to toroids, transformers and coils Acme will now offer a new line of **DIN-rail power supplies**. The products will be introduced in three phases and there will be three product families. (DM-P plastic case, DM standard series, and DM-S slim line) Phase 1 will offer DM-P in 30W, DM in 60, 100 & 480W and DM-S in 80, 120 & 240W. All models will be available in 5, 12, 15, 24 & 48V and will carry standard agency approvals. Acme also kicked off their new MT line of **medical grade isolation transformers**. Initially there will be 5 models offered: 300, 600, 900, 1200 & 1800VA. Designed for North American use at 120V 60Hz, these products carry UL and CSA approvals. Please contact EMA for additional information.

Aleph – Sensors – Aleph has introduced a high grade **door contact switch** encased in aluminum for rugged applications such as industrial overhead doors. The PS-2023 door contact has a connection with a 27 inch 22 gauge wire enclosed in armored cable and is UL approved. Outputs are available in Form A and Form C. Aleph has added an orientation notch on the part to assist with correct installation. For more information, here is the link to the data sheet: http://www.aleph-usa.com/_pdf/PS2023_2022.pdf

Advanced Monolithic Ceramics (AMC) – Capacitors – AMC, a Johanson company, based in Olean, NY has recently been approved to the **MIL-PRF-49470 QPL** adding to their existing offering of switch mode power supply capacitors to 88011 NPO and continued support of X7R 87106 series. AMC has also extended their mini switch mode power supply cap family to include 1825 and 2225 footprints. A new 2008 catalog is available now, so contact EMA for your copy. The AMC web site is: www.amccaps.com

Cambion – Connectors – Cambion has made a major investment in CNC machining equipment including their most recent acquisition of a Citizen M20 lathe. Cambion specializes in the manufacture of **custom variants** of such standards as **7/16, SMA, SMB, SSMD, MCX, MMCX and DIN41626** connectors. Cambion also offers between series adaptors. Their web site is: www.cambion.co.uk

FCT electronics LP – Connectors – FCT has posted the data sheets for their new generation of **filtered D-sub**s on their web site. The new products include: C filter (chip capacitor), C filter (feed through capacitor), L filter, CL filter (chip capacitor ferrite plate), mixed layout (chip capacitor) and mixed layout (feed through capacitor). We expect them to also offer a Pi filter in the near future. You can review the data at: www.fctgroup.com/fct/Products--187,Product_339.htm One of the common complaints we hear from customers concerns a product from one of our competitors. FCT has an answer to your prayers with their FBM (blind mate 50 ohm coax contact for mixed signal D-sub connectors). You don't need to go to that other supplier with the long lead times and high prices any more.



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Isodyne – Connector back shells – Isodyne's **tool-less braid back shells** are flying on the UH-60 helicopter, KC-135 tanker and rolling on the M1/A2 tank. These folks have discovered one of the best kept secrets in the industry. Please check out the web site. Isodyne is offering back shells for most circular connector families as well as D-sub, micro D's, and ARINC. They also welcome custom applications (unlike their larger competitors Sunbank and Glenair). Their products can help you reduce weight, cost, labor time and get you into RoHS compliance by eliminating solder sleeves with their patented slotted back shells. To learn more contact EMA or visit: www.isodyneinc.com

Kaga Electronics – Power Supplies – Kaga (Volgen Power) has introduced a new **18W wall mount adaptor**. Available with universal input (90-264V, 47-63 Hz) and single outputs of 4.5, 5, 6, 7, 7.5, 9, 10, 12, 13.5, 15, 16, 18, 20 and 24VDC. All models are UL, CUL and BSMI approved. Typical efficiency is 77%. and the MTBF is over 50,000 hours under full load at 25C. The EMI rating is CE class B. Volgen also has 5 and 10W models as well as a full line of desktop adaptors, DC/DC converters, and AC/DC open frame and metal enclosed power supplies. The Volgen web site is: <http://www.volgen.com>

Luminary Micro – Microcontrollers –Luminary Micro has announced that sampling will begin for alpha customers (under NDA) this quarter on their new **Tempest** class products. This family boosts the performance of their **Stellaris (ARM Cortex M3) microcontrollers** to 80 MHz (100 MIPs). Key features offered in the new Tempest class devices are: precision oscillator, single cycle RAM up to 96K, single cycle FLASH up to 256K and a UART up to 6 mb/s. Full production will be Q2 2009. They also announced a new display kit with a 3.5" LCD landscape screen which will begin shipping in November. Their Fury and Dust Devil families will move to 130 nm in Rev. B0 silicon. Samples will start to ship in Q4 with full production in Q2 2009. These devices will operate at 56 mA and hibernate mode is 2 uA. The Luminary web site is: <http://www.luminarymicro.com>

Maglayers USA – Chip inductors & LTCC products – Maglayers has added a lot of new products to their LTCC (low temperature co-fired ceramics) offering over the past year. If you have not been on their web site recently, you might be surprised to see what they have. Band pass filters, balanced band pass filters, baluns, chip antennae, ceramic block chip antennae, diplexers and low pass filters make up the standard offering and if the opportunity is right, they will do custom products too. Their quality is second to none and their customers include many household names. Even though you may have never heard of Maglayers, many of the captains of our industry have and they are a preferred source. Check out the web site at: www.maglayersusa.com

Mimix Broadband – GaAs Semiconductors – Mimix Broadband has introduced the **CGB8001** power amplifier, a **5V.5W InGaP HBT amplifier** that combines medium power and high gain with low power consumption. This versatile multi-purpose amplifier consumes 100mA of power and operates from DC to 2.8 GHz with **27 dBm P1dB and 15.5 dB gain at 2.1 GHz**. Designed for 5V applications, this medium power amplifier is suitable for high linearity transmit, receive and IF applications including: CATV, 3G, WiBro and WIMAX. The CGB8001 is available in an SOT-89 package. Please visit their web site at: www.mimixbroadband.com



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M. S. Kennedy – MIL/Space Hybrids – Anaren Microwave has completed their acquisition of M.S. Kennedy. It appears that for now everything will be status quo and both companies will operate independently with their existing rep channels. Please visit the web site for product information.
www.mskennedy.com

NDK America – Crystals & Oscillators – NDK has posted their fiscal 2008 sales. They remain the largest supplier of crystals and oscillators with world-wide sales of \$776M (US). NDK dominates the mobile communications, fixed communications, and automotive markets. Soon we expect to also be servicing the military and space oscillator market. Samples have been submitted to DSCC and they are at the final stages of qualification. Please visit their web site for product information: <http://www.ndk.com>

Potato Semiconductor – GHz CMOS Logic – Potato Semiconductor has been in business since 2004. Richard Kao, their CEO, was chief designer at Pericom before introducing his company to the industry. They have a patented process for producing high speed CMOS devices without the inherent noise problems previously experienced by designers. Potato focuses on logic, clock buffers, translators, and bus switches. Most people won't give us the time of day because the name is a little strange but their products are uncommonly high performance and could solve many of your timing problems. Please review the data sheets on their web site www.potatosemi.com and samples are readily available.

Rectron – Diodes & rectifiers – Rectron has signed a distribution agreement with **Jaco Electronics** after terminating their relationship with SMD. In addition we also work closely with Mouser to ensure that our customers have plenty of stock available and choices for their distribution partner. We look forward to working closely with Jaco and hope that you will support them. Rectron's web site is www.rectron.com

Synergy Microwave – VCO's/Synthesizers – Synergy's focus products this month are their new .3" X .3" VCOs. Three standard products are being offered in the DCO family (C band) and others will be available soon. The first product is the DCO490517-5 which operates from **4.9 GHz to 5.175 GHz** with a tuning voltage of .5 to 5V and phase noise of -88 dBc/Hz at 10 KHz and a bias voltage of 5V 22 mA max. The other products are the DCO495550-5 which operates from **4.95 GHz to 5.5 GHz** (-87 dBc/Hz) and DCO615712-5 which operates at **6.15 GHz to 7.12 GHz** (-85 dBc/Hz). This small package and wide range of frequencies make Synergy an attractive alternative. Please visit their web site:
<http://www.synergymwave.com>

TennMax USA – EMI/RFI/Thermal Solutions – TennMax has revamped their web site and added a lot more data and pictures of projects they have worked on. Their real expertise is solving problems that others can't solve because they either don't have the technology or the expertise. TennMax excels at **vapor deposition, form in place silicone gasketing, custom heat sinks/heat pipes** and all aspects of the EMI/RFI/thermal market. They have relationships with many of the plastic and metal fabrication companies in China and Taiwan and prefer to deal with full turnkey solutions as opposed to just selling their materials. The web site is: www.tennmaxusa.com



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United Electronics – Bare circuit boards – United has never been shy about working with new materials. Thermagon is one of those materials which has gotten some traction in the LED signage market. One of the problems is that LED's generate a lot of heat and when you put a bunch of the high brightness LED's on a circuit board it compounds the problem. That heat needs to be dissipated because we all know that heat will shorten the life of a semiconductor device. The sign folks are using Thermagon (aluminum) materials to meet this requirement and United is ready and able to help them. To learn more about United's capabilities please visit www.unitedel.com

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