



CUSTOMER NEWSLETTER

Isodyne – Back Shells – Isodyne has introduced a lot of new products in the past few months so if you didn't find what you were looking for in the past, please re-visit their web site. It is no secret that most of their product is manufactured by Glenair, the 800 pound gorilla in the back shell market. The reason why Isodyne is successful is their innovation and responsiveness to customer design needs. You might wonder why they don't have the same lead times as their competitors and the main reason is the inventory on the shelf at both Isodyne and their distributor SEA Wire & Cable. Between the two they have over \$5M worth of back shells sitting on the shelf waiting for your orders. Whether it is a circular, D-sub, micro D, ARINC or custom connector, Isodyne has solutions for all. Eliminate solder sleeves and put the savings from material cost and labor in your pocket with Isodyne's patented slotted back shell with lock springs. They also work with composite materials if you have weight issues. The web site is: <http://www.isodyne.com>

Kaga Electronics – Power Supplies – I learned something new this month about Kaga. Their Volgen Power division in Japan will do custom power supply designs, if the opportunity is right. The cost of NRE is surprisingly low too. It is just one more weapon in their arsenal. Volgen offers DC/DC converters, wall warts, desktop adaptors, open frame and metal enclosed power supplies and medical grade products. In addition to Volgen Power (which they own 100%) Kaga also trades in about 9 other power supply companies which they have a smaller equity in, so if Volgen doesn't offer what you are looking for (as a standard) and you don't have the volume for a custom, Kaga may be able to help with a solution from one of their other partners. The Volgen web site is: <http://www.volgen.com>

NDK America – Crystals & Oscillators – NDK was a gold sponsor at MTT-S in June. If you stopped by their booth, you would have seen their salt and pepper shakers. It featured synthetic quartz in the salt shaker and their new 2016 crystals in the pepper shaker. This 2.0 X 1.6 mm package is the smallest crystal in production today. They aren't stopping there either. A smaller package is in development already. The big winner lately has been their NT2520 TCXO. With stability of .5 ppm and a 2.5 X 2.0 mm package, this device has been finding a lot of new customers and is suitable for GPS applications. Although it hasn't been widely publicized, NDK also offers Stratum 3 synchronous timing solutions. Please visit their web site for more information: <http://www.ndk.com>

Synergy Microwave – VCO's/Synthesizers – Synergy kicked off a bunch of new products at the MTT-S show in June. If you haven't been to their web site lately you might want to check out the new power dividers, 90 degree hybrids (to 20 GHz), bi-directional couplers (to 20 GHz), double balanced mixers, synthesizers and VCOs. Perhaps the biggest advance in technology is their printed resonator which eliminates long lead times associated with conventional resonators, performs better because they are less susceptible to phase hits and allows for wide bandwidths in a single device. Not only do they save you money and increase performance but they provide huge benefits in board space reduction by reducing the number of VCO's required. This is enhanced further by the size reduction of their new DCO/DXO family, which is in a .3" X .3" package. Please visit the web site: <http://www.synergymwave.com>



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Gasoline Tips – With the cost of gas so high these days I think everyone could use this information, so pass it on to your friends and co-workers. I got these tips off the internet from a gentleman that works on the Kinder Morgan Pipeline in San Jose, CA so I take no responsibility for the accuracy, but if it works for you..... 1) Only fill your tank in the early morning if you can because the storage tanks are underground (usually under asphalt) and as the gas warms up it expands. The pumps do not have temperature compensation. 2) If there is a pump trigger lock, set it at the lowest setting. It takes longer to fill your car but the pumps have a vapor return and if you pump gas faster, some of the liquid turns to vapor and is sucked back. 3) Fill your tank when it is half empty instead of waiting until it is low. Gas evaporates faster when there is more air in the tank. 4) Avoid gas stations when they are being re-stocked. That big tanker is pumping gas into the storage tanks and stirring things up. There is sediment in the tank which winds up in your car.

EMA Web Site News – The EMA web site will be moving to a new server as soon as I can arrange for the transfer. Our web site has not been updated in well over a year but you can expect that to change. We hope to make it both user friendly and easy to navigate. Our line card varies from State to State so I will probably put up a separate page for each location to avoid confusion. As with the Ram web site, I hope to get lots of suggestions about content, but you can expect to see links to the suppliers, new product information, sample and literature order forms as well as our contact information.

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