Oscillator Family Optimized for Precision Packet Timing

Vectron International announced its new family of 1588 oscillators. The OX-402, OX-222 and OX-202 are specifically designed and tested to support 1588-based timing applications. These products were showcased in Hall B5, Booth 237 at electronica 2010, from November 9-12.

Service providers are moving to all IP-based networks to address the need for increased scalability at reduced costs. However, IP infrastructures present new obstacles to the distribution of timing and equipment vendors are turning to packet-based standards like IEEE-1588. These protocols come with their own set of challenges—the noise caused by inherent variations that take place in a packet network strongly influences the accuracy of timing. To compensate for this 'network noise' and resolve these timing uncertainties requires oscillators that have the best stability characteristics.

Vectron's 1588 oscillator family is specifically designed and tested to support packet based timing systems. The high stability performance of the OX-402, OX-222 and OX-202 enables 1588 system architects to provide a solution that is more robust in the presence of packet delay variation, can derive timing over more 'hops', and can be deployed in a more demanding network environment.

"For more than fifty years, Vectron has worked closely with its clients to provide the highest quality timing solutions for their network designs," says Alan Mond, vice president and general manager of Vectron's communication business unit. "Our 1588 oscillators are optimized to help customers meet the timing challenges associated with transitioning to all IP-based networks today. As the network evolves, we will continue to innovate to meet future challenges." The OX-402, OX-222 and OX-202 bring the best possible stability characteristics to a cost effective platform with a small footprint, and come in industry standard 14x20, 22x25 and 25x25 footprints, respectively. All devices are Stratum 3E compliant and are currently available with output frequencies of 10MHz, 12.8MHz and 20MHz. In addition to high stability OCXOs, Vectron also offers customers innovative clock path technology including TCXOs, XOs VCXOs, VCSOs and jitter attenuators that provide ultra low jitter timing solutions.

Vectron's 1588 oscillators are available direct at www.vectron.com [1] or through an authorized Vectron representative. For more information on this or any other Vectron products please contact a customer service representative at 1-88-VECTRON-1.

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[1] http://www.vectron.com