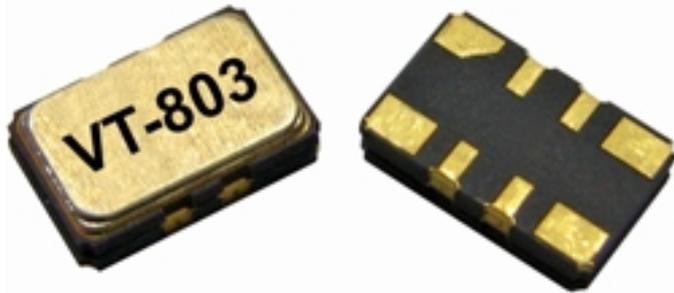


Small Form Factor TCXO Achieves 100 ppb Stability



Vectron International, a leader in the design and manufacture of Precision Oscillators and Timing Solutions for Communication, Industrial, Military & Space applications, today announced the release of a high stability [TCXO](#) [1]. The new [VT-803](#) [2] offers excellent close in phase noise combined with best in class stability in a 5 mm x 3.2 mm footprint. This product will be showcased in Booth 1002 at the IMS 2011 Symposium in Baltimore, MD from June 7-9th 2011.

“Our new VT-803 allows designers to continue on the path of integration, while offering high stability low [phase noise](#) [3] and low aging in a 5 mm x 3.2 mm footprint “said Alan Mond, Vice President and General Manager, Communication business unit, Vectron. “The ability to offer 100 ppb in a 5 mm x 3.2 mm footprint, gives the designers of small footprint platforms new levels of stabilities they previously did not have access to”.

In the past designers were limited to either choosing larger footprints to reach increased stability or staying with reduced stabilities if they required a smaller footprint. The VT-803 bridges this gap and combines high stability, low aging and low phase noise performance in a small footprint. The product is designed for use in small cell base stations, femto cells, IP networking, Manpack radios and in industrial markets where high stability is paramount to achieving differentiated performance.

Key Features:

- Phase Noise floor of -159 dBc/Hz @ 1 MHz offset
- Available output frequencies of 10.0 MHz to 52.0 MHz
- Temperature Stability of ± 100 ppb from -10° to 70°C.

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- Temperature Stability of ± 200 ppb from -40° to 85°C .
- Aging < 0.5 ppm/year
- 2.8 V, 3.0 V, 3.3 V, 5.0 V Supply Voltage Options
- Clipped Sinewave or CMOS Output Configurations
- Ceramic Package: 5.0 mm x 3.2 mm x 1.5 mm
- Compliant to EC RoHS6 Directive

In addition to high stability TCXOs, Vectron also offers customers with innovative clock path technology including high stability Double Ovens, OCXOs and Crystal Oscillators. Vectron's broad portfolio of Frequency Control products also includes VCXOs, VCXOs and jitter attenuators that provide ultra-low jitter timing solutions.

Vectron's VT-803 is available direct at www.vectron.com 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 or visit <http://www.vectron.com> [4].

Additional Resources

- [VT-803 data sheet](#) [5]

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<http://www.ecnmag.com/product-releases/2011/07/small-form-factor-tcxo-achieves-100-ppb-stability>

Links:

[1] http://www.vectron.com/products/tcxo/tcxo_index.htm

[2] <http://www.vectron.com/products/tcxo/vt-803.htm>

[3] http://www.vectron.com/products/literature_library/phase_noise.pdf

[4] <http://www.vectron.com/>

[5] <http://www.vectron.com/products/tcxo/VT-803.pdf>