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## News about Oscillator

### Low phase noise clock oscillator targets HD audio

January 16, 2012



The CCHD-957 from Crystek is an ultra-low phase noise HCMOS clock oscillator with standby mode — close-in phase noise comes in at -100 dBc/Hz at 10Hz offset and the oscillator features a typical noise floor of -170 dBc/Hz at 100kHz offset.

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### PLL synthesizers deliver flexibility and phase noise performance

January 11, 2012

Analog Devices, Inc., has released two new PLL synthesizer that claim to allow utmost flexibility and phase noise performance. The ADF4151 and ADF4196 PLL synthesizers ease design in a variety of applications including communications infrastructure base-stations, pulse and Doppler radar applications, test and instrumentation equipment, microwave point-to-point systems, PMR (professional mobile radio), VSATs (very small aperture terminals) and aerospace systems.

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### NXP launches compact high-precision MEMS frequency synthesizer

January 10, 2012



uctors has developed a high-precision silicon MEMS-based hesizer that it sees competing directly with quartz crystal-based timing devices.

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### Low profile AVX crystal oscillators aimed at automotive applications

January 9, 2012



Passive components design-in distributor DMTL now offers the CX3225xx series crystal oscillators from AVX. These small, low profile surface mount devices are available in 2 and 4 terminal options for automotive safety, engine management and communications systems as well as other consumer products that rely on electronics for control.

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### Clock oscillator has a phase noise of -100 dBc/Hz at 10Hz offset for audio equipment

January 6, 2012



Crystek has launched the CCHD-957, a new ultra-low phase noise HCMOS clock oscillator with standby mode, featuring an extremely low close-in phase noise of -100 dBc/Hz at 10Hz offset and a typical noise floor of -170 dBc/Hz at 100kHz offset. This performance makes Crystek's HCMOS Clock Oscillator family suitable for use in applications such as DACs, ADCs, digital audio broadcasting and professional CD audio equipment.

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PLL synthesisers deliver high flexibility and phase noise performance

Crystal oscillator supports 19.2 to 52MHz over -40 to 105°C

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New Products

**Ultra-low phase noise clock oscillator provides high-performance frequency control for HD audio equipment**

January 06, 2012 | Paul Buckley | 222902875



Crystek Corporation has launched the CCHD-957, a new Ultra-Low Phase Noise HCMOS Clock Oscillator with Standby Mode, featuring a low close-in phase noise of -100 dBc/Hz @ 10 Hz offset and a typical noise floor of -170 dBc/Hz @ 100kHz offset. The performance makes Crystek's HCMOS Clock Oscillator family an ideal choice for use in applications such as: DACs (digital-to-analog converters), ADCs (analog-to-digital converters), DAB (digital audio broadcasting), and professional CD audio equipment.

The Crystek CCHD-957 HCMOS Clock Oscillator also features a 'Standby Function' – when placed in disable mode, the internal oscillator is completely shut down and its output buffer is placed in Tri-State. This family is housed in a 9x14 mm SMT package and operates with a +3.3 V power supply consuming 15 mA of current. Stability is rated at 20-50 ppm (0 to +70°C) and ±25-50 ppm (-40 to +85°C).

The CCHD-957 generates frequencies between 10 MHz and 50 MHz. Its output driver is capable of driving ±24 mA, translating to a rise/fall time of ~3 nsec Max at 20% to 80% Vcc with a 15 pF load.

The Crystek CCHD-957 HCMOS Clock Oscillator is made in the USA and available from Crystek's stocking distributors.

Visit Crystek at [www.crystek.com](http://www.crystek.com)

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