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## Clock Oscillator controls frequency for HD audio equipment.

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**January 9, 2012** - Featuring close-in phase noise of -100 dBc/Hz at 10 Hz offset and typical noise floor of -170 dBc/Hz at 100 kHz offset, Model CCHD-957 is suited for DACs, ADCs, DAB, and professional CD audio equipment. HCMOS clock oscillator includes Standby Function - when placed in disable mode, internal oscillator is completely shut down and output buffer is placed in Tri-State. Housed in 9 x 14 mm SMT package, device operates with +3.3 V power supply and generates frequencies from 10-50 MHz.



Clock Oscillator controls frequency for HD audio equipment.

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Original Press release

**Crystek Corp.**  
2351 Crystal Dr.  
Fort Myers, FL, 33907  
USA

[Contact Information](#)

### Ultra-Low Phase Noise Clock Oscillator from Crystek Provides High-Performance Frequency Control for HD Audio Equipment

Fort Myers, FL - Crystek Corporation 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 @ 10Hz offset and a typical noise floor of -170 dBc/Hz @ 100kHz offset. This performance makes Crystek's HCMOS Clock Oscillator family an industry-leading 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



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OCXOs feature customizable frequency from 30-130 MHz.

Voltage Controlled Oscillators target radio applications.

Voltage Controlled Oscillator features low phase noise.

Low Phase Noise CMOS Oscillator offers -168 dBc/Hz noise floor.

Rugged GPS Disciplined Clock ensures precision timing.

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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 +3.3V power supply consuming 15mA of current. Stability is rated at 20-50ppm (0°C to +70°C) and ±25-50ppm (-40°C to +85°C).

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

The Crystek CCHD-957 HCMOS Clock Oscillator is made in the U.S.A. and available from Crystek's stocking distributors. For pricing details, contact Crystek Corporation.

Family datasheets are available for download at [www.crystek.com](http://www.crystek.com). For more information, contact sales at Crystek Corporation, 12730 Commonwealth Drive, Ft. Myers, FL 33913. Tel: 800-237-3061 or 239-561-3311; Fax: 239-561-1025; E-mail: [sales@crystek.com](mailto:sales@crystek.com); Web: [www.crystek.com](http://www.crystek.com).

Crystek Corporation® has been providing frequency products since 1958, including quartz crystals, XOs (clock oscillators), TCXOs (temperature compensated oscillators), VCOs (voltage controlled oscillators), and VCXOs (voltage controlled crystal oscillators). Crystek operates two divisions dedicated to frequency control. Crystek Crystal is dedicated to the development and manufacture of frequency products using quartz-based resonators. Crystek Microwave develops of frequency control and support products for the microwave industry.

and base stations.

Voltage Controlled Oscillator delivers +5 dBm output power.

Voltage Controlled Oscillator operates from 2,400-2,500 MHz.

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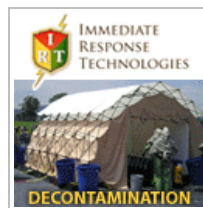
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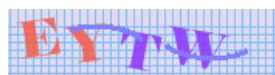
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