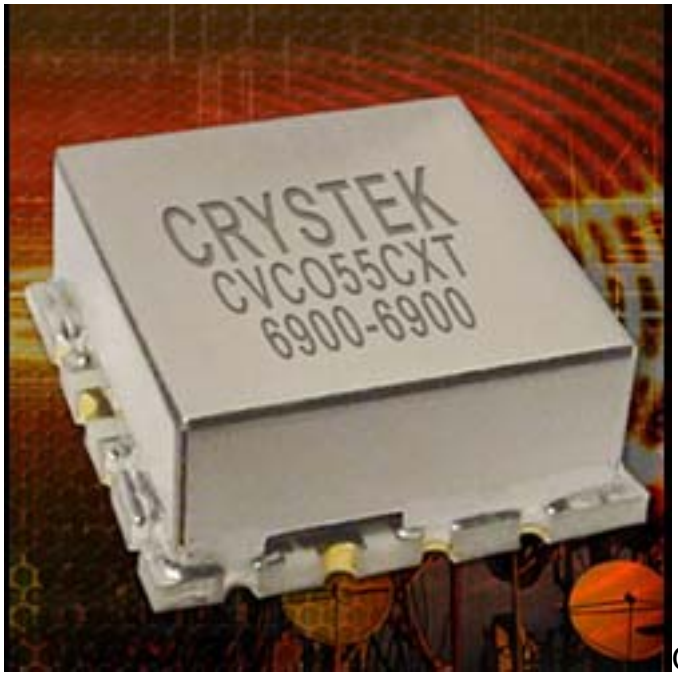
VCO includes internal proprietary frequency doubler



Crystek's new CVCO55CXT-6900-6900 Coaxial Resonator Oscillator (CRO) is a coaxial-based VCO with an internal proprietary frequency doubler. The CVCO55CXT family's frequency doubling, 2X fundamental technology reaches new performance levels of lower phase noise and much lower harmonics over the competition, while achieving lower current consumption in the process.

The CVCO55CXT-6900-6900 operates at 5800 MHz with a tuning voltage range of 0.5 Vdc to 4.5 Vdc. This coaxial VCO features a typical phase noise of -100 dBc/Hz @ 10KHz offset and has good linearity. The CVCO55CXT-6900-6900 CRO exhibits an output power of 2.0 dBm typ. into a 50 ohm load with a supply of +8.0 Vdc and a current consumption of 35 mA (max.).

Engineered and manufactured in the USA, the CVCO55CXT-6900-6900 CRO is packaged in the industry-standard 0.5-in x 0.5-in package. Pushing and Pulling are both minimized to 1.5 MHz/V and 0.5 MHz, respectively. Second harmonic suppression is -30 dBc typical.

The CVCO55CXT-6900-6900 is ideal for use in applications such as digital radio equipment, fixed wireless access, satellite communications systems, and base stations.

For pricing details, contact Crystek Corporation.

Family datasheets are available for download at www.crystek.com [1]. 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 [2];
Web: www.crystek.com [1].

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http://www.ecnmag.com/product-releases/2011/09/vco-includes-internal-proprietary-frequency-doubler

Links:
[1] http://www.crystek.com
[2] mailto:sales@crystek.com