

6525 MHz Coaxial Resonator Oscillator Maximizes Performance and Efficiency



Crystek's new [CVC055CXT-6525-6525](#) [1]

Coaxial Resonator Oscillator (CRO) is a coaxial-based VCO with an internal proprietary frequency doubler. The [CVC055CXT family's](#) [2] 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 **CVC055CXT-6525-6525** operates at 6525 MHz with a tuning voltage range of 0.3 Vdc to 4.7 Vdc. This coaxial VCO features a typical phase noise of -100 dBc/Hz @ 10KHz offset and has good linearity. The **CVC055CXT-6525-6525** CRO exhibits an output power of 0.0 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 **CVC055CXT-6525-6525** 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 **CVC055CXT-6525-6525** is ideal for use in applications such as digital radio equipment, fixed wireless access, satellite communications systems, and base stations.

www.crystek.com [3]

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Published on Wireless Design & Development (<http://www.wirelessdesignmag.com>)

December 20, 2012

Source URL (retrieved on 01/27/2015 - 6:15pm):

<http://www.wirelessdesignmag.com/product-releases/2012/12/6525-mhz-coaxial-resonator-oscillator-maximizes-performance-and-efficiency>

Links:

[1] <http://www.crystek.com/home/vco/cvcodetail.aspx?pn=CVCO55CXT-6525-6525>

[2] <http://www.crystek.com/microwave/product/22>

[3] <http://www.crystek.com>