

## **Coaxial Resonator Oscillator features internal proprietary frequency doubler**



Crystek's new

CVC055CXT-5580-5685 Coaxial Resonator Oscillator (CRO) is a coaxial-based VCO with an internal proprietary frequency doubler. The CVC055CXT 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 CVC055CXT-5580-5685 operates from 5580 to 5685 MHz with a tuning voltage range of 0.3 Vdc to 4.7 Vdc. This coaxial VCO features a typical phase noise of -102 dBc/Hz @ 10KHz offset and has good linearity. The CVC055CXT-5580-5685 CRO exhibits an output power of 0.0 dBm typ. into a 50 ohm load with a supply of +5.0 Vdc and a current consumption of 30 mA (max.).

Engineered and manufactured in the USA, the CVC055CXT-5580-5685 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-5580-5685 is ideal for use in applications such as digital radio equipment, fixed wireless access, satellite communications systems, and base stations.

Crystek

[www.crystek.com](http://www.crystek.com) [1]

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