

XO9095: High-frequency, Low Phase-Noise and Low g-sensitivity OCXO

Description

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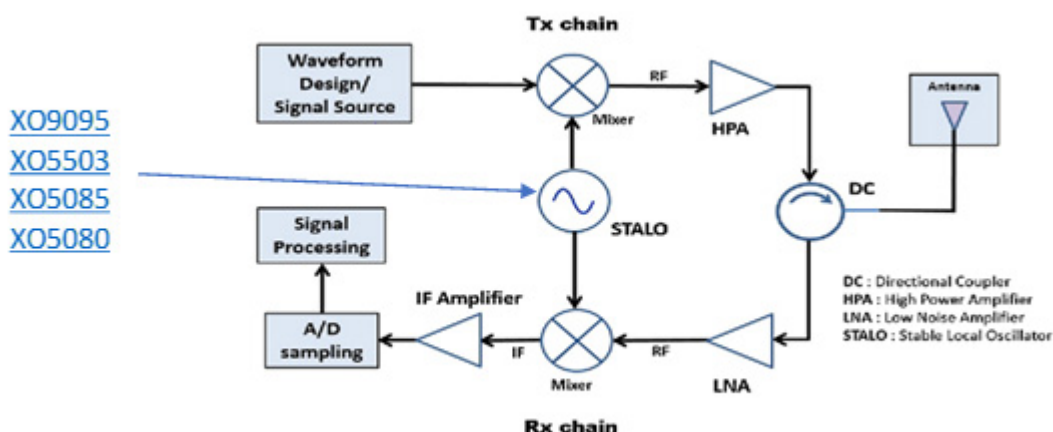
XO9095: High-frequency, Low Phase-Noise and Low g-sensitivity OCXO



MtronPTI introduces the XO9095, an OCXO integrated with low noise multipliers, filters for superior spectral purity and low noise discrete amplifiers to generate a high frequency, low phase noise sinewave output from 200MHz to 6GHz. The XO9095 employs an in-house manufactured precision SC-cut crystal which drives the tight stability, low g-sensitivity, and low phase noise performance of the OCXO.

With the XO9095 operating in the GHz, the designer does not have to multiply a lower frequency OCXO, eliminating additional circuitry, cost, PCB space and RF paths that can introduce noise. This industry leading tight stability, low g-sensitivity and low phase noise performance is engineered into a standard one-inch square package. This package is approximately 45% smaller than the competition, making it the smallest available high frequency OCXO on the market, consuming less board space at the lightest weight available.

XO9095 is an ideal frequency reference source for Radar, Electronic Warfare, Satcom and Test Equipment applications. MtronPTI offers a broad line of precision crystal resonators, oscillators, filters, and Integrated Microwave Assembly solutions. MtronPTI is an ISO 9001:2015 and AS9100 Rev. D certified organization.



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XO9095 Features:

- Low Aging: +/- 2ppm All causes 20-year Aging
- Superior spectral purity: Sub harmonics -45dBc, Spurious -80dBc
- Tight temperature stability: +/-100ppb (-54C to +71C)
- Low g-sensitivity: As low as 0.5ppb/g worst case axis
- Low Phase Noise: See Press Release
- Product Classification: EAR99
- Standard Frequencies: 1GHz and 1.28GHz
- Various Custom output frequencies available up to 6GHz
- Size and Weight: 1 inch (25.4 mm) x 1 inch (25.4 mm) x 0.75 inch (19.05 mm), 0.7oz (20 grams)

Request a Quote

CDI works continuously with our vendor partners to connect our customers to products and solutions that accelerate their time to market. CDI will leverage its product knowledge, technical expertise, and evaluation tools to find the right solution for your design, even if it means we need to recommend competitor's part.

For more information, or to learn how we can help drive your success, please visit rf.cdiweb.com or email us at sales@cdiweb.com.

About MtronPTI

MtronPTI offers a wide range of precision frequency control and spectrum control solutions including: RF, microwave and millimeter wave filters; cavity, crystal, ceramic, lumped element and switched filters; high performance and high frequency OCXOs, integrated PLL OCXOs, TCXOs, VCXOs, low jitter and harsh environment oscillators; crystal resonators, Integrated Microwave Assemblies (IMA); and state-of-the-art solid state power amplifier products.

About Component Distributors, Inc. (CDI)

Component Distributors, Inc. (CDI) is a value-added distributor of high-performance LED, Power, RF & Microwave, Wireless and Sensor component technologies. CDI distributes globally and provides local application support and customer service across the Americas. CDI delivers cutting edge power electronics by wrapping application support, development tools and design services around high-performance products from industry leading manufacturers.

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Email: sales@cdiweb.com Toll-Free: 1-800-777-7334

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Author

cdiwebadmin

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