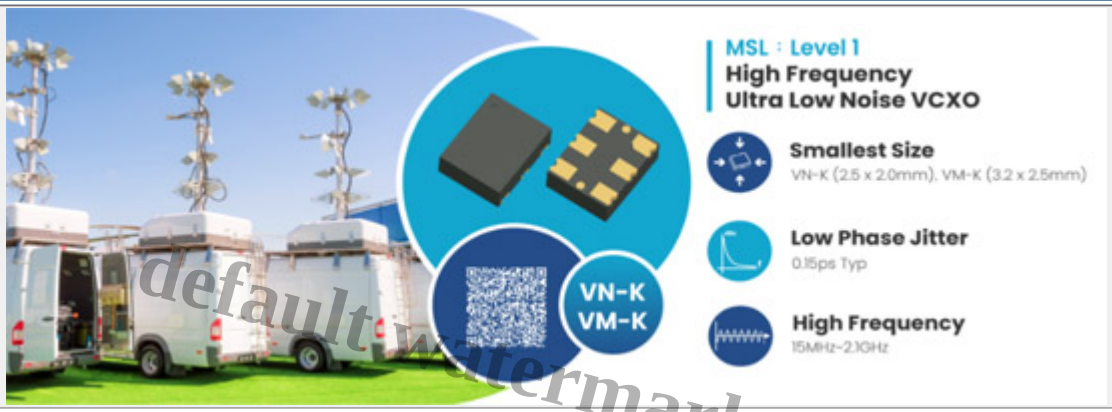


The Powerhouse of Precision â€“ Exploring the New VCXO VM-K & VN-K Series

Description

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The Powerhouse of Precision
Exploring the New VCXO VM-K & VN-K Series



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Taitien introduced the new VM-K and VN-K Voltage-Controlled Crystal Oscillator (VCXO) series, a marvel of engineering thatâ€™s making waves in the industry.

Smaller Size, Bigger Impact (as small as 2.5 x 2.0 x 1 mm)

A most striking feature of its remarkably compact form factor. Measuring just 2.5Ã—2.0Ã—1.0mm for VN-K, this miniatu marvel packs an impressive punch. Its diminutive size opens up a world of possibilities for applications where space is a premium, allowing for seamless integration into even the most confined electronic environments.

High Frequency, Unrivaled Performance (upto 2.1GHz)

The new VCXO series stands tall with an astonishing frequency range that spans from 15MHz to an eye-watering 2.1GH This unprecedented capability means it can generate stable and precise clock signals at speeds and is ideal for high-sp data transmission to advanced modulation techniques.

Ultra Low Phase Noise: Precision Perfected (Typical RMS Jitter: 0.15ps)

The VN-K & VM-K series VCXO delivers with its ultra-low phase noise, typically hovering at a mere 0.15 ps. This remarkable feat ensures that the output signal remains steadfast and unwavering. Whether in telecommunications, rada systems, or high-speed digital communication, the new VCXOâ€™s low phase noise keeps signals on track and data flowing smoothly.

A Protocol Playground: Versatility at its Core (LVDS/LVPECL/ HCSL/CML support)

VN-K and VM-K VCXO support multiple differential output protocols including LVDS, LVPECL, HCSL, and CML. This adaptability ensures that the VCXO plays well with high-frequency electronic components, offering engineers a flexible t for a multitude of applications.

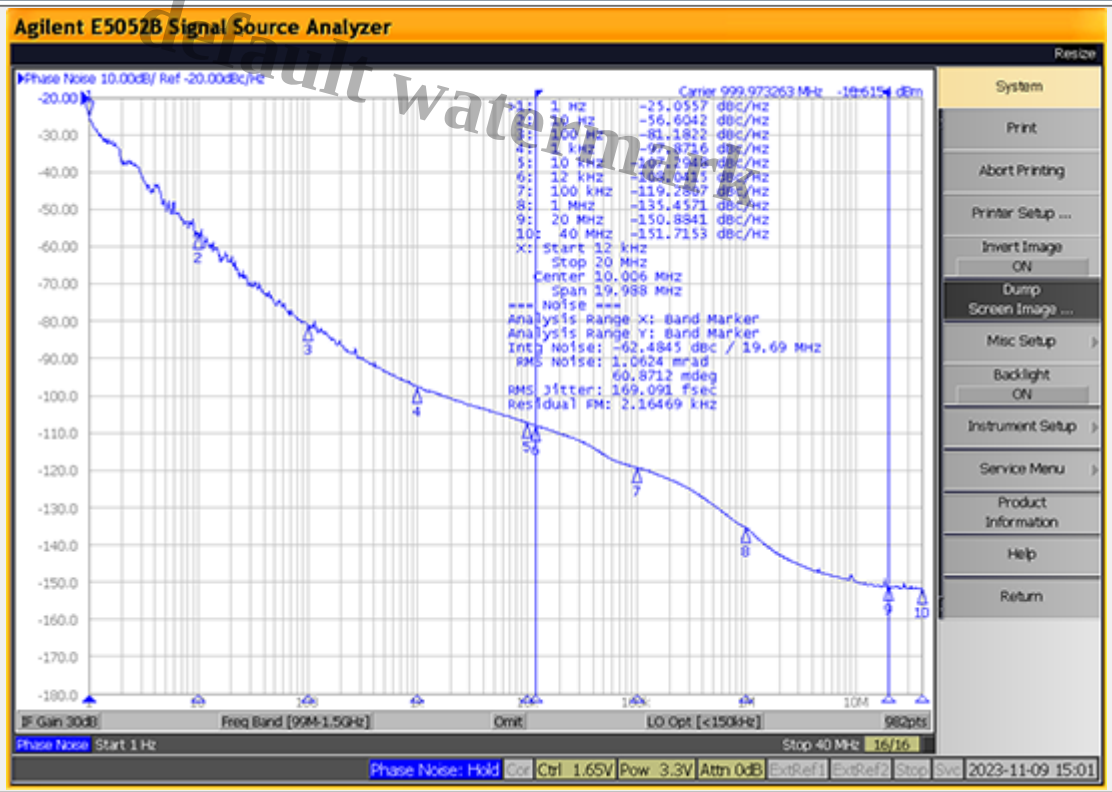
Features

- Tiny Size: VN-K (2.5 x 2.0mm), VM-K (3.2 x 2.5mm)
- Good Jitter Performance: 0.15ps Typ
- High Frequency Range: 15MHz~2.1GHz
- Pulling Range: Â±50~Â±250ppm
- MSLï¼šLevel 1

Applications

- Defense Systems
- Mobile Radar Station
- Gigabit Ethernet, SONET/SDH
- Server & Storage, Data Center
- SD/HD Video, FPGA Clock Generation

Phase Noise



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About Taitien

CDI is an authorized distributor for **Taitien**. Taitien offers OCXO, TCXO, VCXO, Crystal, and Crystal Oscillators. Taitien frequency products support various fields including automotive, consumer electronics, information technology and telecommunications. Taitien focuses on innovation and invests heavily in research & development.

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 custo service across the Americas.

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