



**Breaking Boundaries: Taitien's Ultra-compact, High Precision,
Low G-Sensitivity TCXO (TP Series)**



Breaking Boundaries: Taitien's™ Ultra-compact, High Precision, Low G-Sensitivity TCXO (TP Series)

Description

default watermark



Breaking Boundaries: Taitien's™ Ultra-compact, High Precision, Low G-Sensitivity TCXO (TP Series)



In today's™ rapidly evolving electronic landscape, the drive for smaller yet accurate components never ceases. The TP Series stands as a significant advancement, setting fresh benchmarks in terms of efficiency, compactness, and reliability.

A Triumph in Miniaturization (Size as small as 3.2 x 2.5 x 1.48mm)

Historically, crystal oscillators have been pivotal for precision timing in fields ranging from telecom to aerospace. Their size, however, posed design limitations. The TP Series TCXO, with its compact 3.2 x 2.5mm dimension, challenges these norms, marking a notable size reduction compared to traditional measures.

Performance Par Excellence (Stratum 3: $\pm 4.6\text{ppm}$ over 20 years under $-40^{\circ}\text{C} \sim 85^{\circ}\text{C}$)

The TP Series not only matches but often surpasses the performance of traditional TCXOs. Despite its size, it delivers impeccable precision, ensuring resilience even under tough conditions.

Superior Phase Noise Performance (as good as the traditional TCXO)

The TP Series TCXO is a game-changer in frequency control. Its phase noise traits outdo many of its counterparts, signifying a blend of superior engineering and modern tech. This oscillator breaks the myth that size compromises frequency control quality, catering to sectors where precision is paramount.

Revolutionized G-Sensitivity (as good as 0.3 ppb/g $\hat{=}$ " typical)

The TP Series's™ low G-sensitivity is noteworthy, especially for dynamic or high-vibration environments, guaranteeing unwavering accuracy when it's™ most needed.

Pioneering the Future

The TP Series TCXO signals a transformative phase in frequency control. Emphasizing efficiency, size reduction, and advanced G-sensitivity, it paves the way for diverse applications, from modern wearables to aerospace. This TCXO encapsulates innovation, steering the electronics domain to newer horizons.

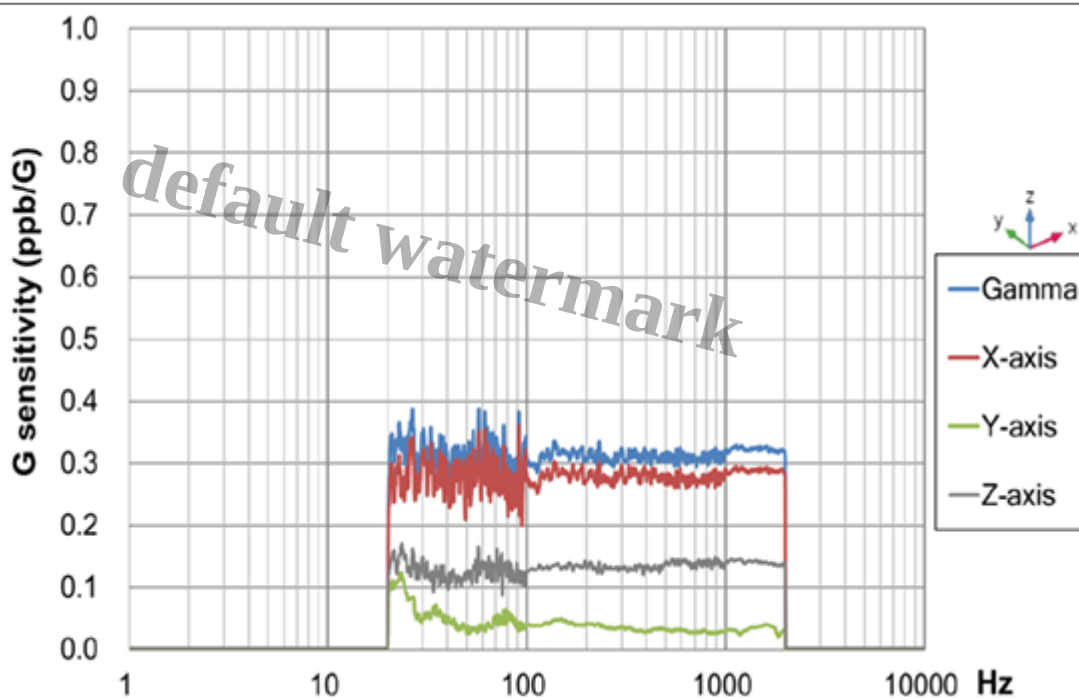
Features

- Smallest Size (3.2 x 2.5 mm)
- Low G-Sensitivity (<0.5 ppb/g)
- High Precision (± 0.1 ppm)

Applications

- GNSS, Positioning & Navigation
- Base Station, Stratum 3
- Aircraft, Ships, Defense Systems

G-Sensitivity



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. 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 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 customer service across the Americas.

Component Distributors, Inc. (CDI)

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

Category

1. Ewave
2. RF-Microwave
3. Taitien

Date Created

November 9, 2023

Author

cdiwebadmin

default watermark