

Taitien Provides TCXO and OCXO Solutions for Satellite Communication Systems & GNSS Applications

Description

default watermark

Taitien Provides TCXO and OCXO Solutions for Satellite Communication Systems & GNSS Applications



Taitien provides TCXO and OCXO solutions to major international satellite communication companies looking for critic frequency components. Up/down converters are essential in satellite communication in Ka- and Ku bands, and critical components include oscillators with high-frequency, low-phase noise performance.

With the coming of high-throughput satellites and LEOs on a large scale, the aerospace industry has entered the New Space Era and end-user ground receivers for satellite communications will be widely adopted in vehicles and ships in ev corner of the world.

Taitienâ€™s newly launched high frequency and low g-sensitivity TCXO, high-precision OCXO, timing module and atom clock modules feature excellent frequency stability, ultra-low phase noise and ultra-low aging, making them optimal for ground station applications.

Features

- Low Phase Jitter < 0.5ps
- 24 Hours Holdover < 1.5uS
- Low Power Consumption < 0.6W
- Ultra low g-Sensitivity (0.1 ppb/g)
- Extended temperature from -55Â°C to 125Â°C
- Able to Lock to Communication Satellite Signals
- Features Accurate Reference Frequency Sources and Time Synchronization Modules Even in Bad Weather

Applications

- Agriculture
- Automotive
- Defense and Space
- IoT and Sport
- Emergency Beacon
- Location Based Service
- Personal Survival
- Real Time Kinematic (RTK)

Taitien Featured Products

â€¢ Ultra-High Precision Disciplined Oscillator	â€¢ Low Power GPSDO
â€¢ Ultra-Low g-Sensitivity OCXO	â€¢ Miniature VCTCXO
â€¢ High Precision VCTCXO	â€¢ Low Power XO
â€¢ Extended Temp. Range XO	â€¢ High Frequency XO
â€¢ Miniature Crystal	â€¢ kHz Crystal

default watermark

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.co** 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 custo 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
February 3, 2023
Author
cdiwebadmin