







# Taitien Releases Automotive Electronics Solutions

# **Description**







### **Taitien Releases Automotive Electronics Solutions**





## High Quality Requirements â€" Zero Defects

A quiet revolution is transforming the automotive industry with electric vehicles (EVs) soon going to have their own mob The integration the Internet of Vehicles (IoV) and advanced AI computing will enable new functions and services for the driving and electric vehicle architecture.

Taitien provides compact sized crystal, low jitter oscillators and high stability TCXO needed for automotive data centers infotainment systems, Connected Cars, C-V2X, 5G communications, ADAS, LEO for IoV, and GNSS positioning and trallow-latency communication and reliable performance required for vehicles today, tomorrow and into the future.

#### **Features**

- In Alignment with AEC-Q200 / AEC-Q100 / IATF 16949
- Operating temperature range: up to -55°C ~ 125°C
- High quality requirements such as zero defects
- Special product codes formulation to distinguish in-vehicle products from ordinary products
- Enhanced process controls to meet the requirements of a wide operating temperature
- High temperature production processes to ensure high quality automotive crystal products

Product Family	Product Features	Output Waveform	Product Size(mm²)	Applications
VCTCXOs	Miniature	Clipped Sine Wave	TZ 2.0 x 1.6 TY 2.5 x 2.0	EV Charger, Data Center of Vehicle C-V2X, Infotainment, ADAS, LEO Satellite Communications and GNSS Positioning
	Stratum 3 High Stability High Frequency	Clipped Sine Wave, CMOS	TW 5.0 x 3.2 TL 5.0 x 3.2 TT 7.0 x 5.0 TK 14.3 x 9.6	LEO Satellite Communications and GNSS Positioning
XOS  XERCE  THE PROPERTY OF TH	Extended Temperature Range	CMOS	OZ 2.0 x 1.6 OY 2.5 x 2.0 OX 3.2 x 2.5	EV Charger, Data Center of Vehicle Infotainment, ADAS
	Low Power (1.4uA, 1.5V)	смоѕ	OZ-D 2.0 x 1.6 OY-D 2.5 x 2.0	Infotainment
	Fast Delivery	CMOS	PZ-U 2.0 x 1.6 PY-U 2.5 x 2.0 PX-U 3.2 x 2.5	EV Charger, Data Center of Vehicle Infotainment, ADAS
	Ultra Low Jitter (Typ. 0.06 ps; 12 kHz to 20 MHz)	Differential Crin	0A 3.2 x 2.5 ark	Data Center of Vehicle
XTALS  AXXXX  TO PHYN  AXXXX  AXXX  AXXXX  AXXXX  AXXXX  AXXXX  AXXXX  AXXXX  AXXXX  AXXXX  AXXX  AXXXX  AXXX  AXXXX  AXXX  AXX  AXXX  AX	Miniature		X3 1.6 x 1.2 XZ 2.0 x 1.6 XY 2.5 x 2.0 XX 3.2 x 2.5	EV Charger, Data Center of Vehicle C-V2X, Infotainment, ADAS, LEO Satellite Communications and GNSS Positioning
	Low Profile		XI 10.8 x 4.5 XJ 12.5 x 4.5	EV Charger, C-V2X, ADAS
	kHz		XD 3.2 x 1.5	EV Charger, Data Center of Vehicle C-V2X, Infotainment, ADAS, LEO Satellite Communications and GNSS Positioning

### Request a Quote

CDI works continuously with our vendor partners to connect our customers to products and solutions that accelerate the will leverage its product knowledge, technical expertise, and evaluation tools to find the right solution for your design, exto 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@

#### **About Taitien**

CDI is an authorized distributor for **Taitien**. Taitien offers OCXO, TCXO, VCXO, Crystal, and Crystal Oscillators. Taitien support various fields including automotive, consumer electronics, information technology and telecommunications. Tait 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, W component technologies. CDI distributes globally and provides local application support and customer service across the delivers cutting edge power electronics by wrapping application support, development tools and design services around products from industry leading manufacturers.

## Category

- 1. Ewave
- 2. RF-Microwave
- 3. Taitien

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Author
cdiwebadmin

