



Q-Tech's 3-Point-Mount Crystal Oscillators Deliver Peak Performance in Non-Space Applications

QTCC353 Series of miniature, ultra-low-profile 3-point-mount SMDs offers industry-leading mechanical and frequency vs. temperature stability, better vibration and shock tolerance than MEMS devices

Cypress, CA—June 28, 2022—[Q-Tech Corporation](#), the world's leading supplier of crystal oscillators for space, military, avionics and high-temperature applications,



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introduces the [QTCC353 Series](#) of miniature SMD crystal oscillators designed to provide superior performance over MEMS devices in a wide-range of non-space military, communications, instrumentation and avionics applications. Their unique 3-point XO mount and miniature, low-profile (3.2 x 5 x 1.2 mm) packaging provides the industry's best combination of footprint/headroom, mechanical stability and electrical performance.

Targeted applications for the QTCC353 Series include:

- Military – Gun launched munitions and systems and smart munitions, COTS systems
- Avionics – Navigation, instrumentation
- Data communications – Ethernet/SynchE, SONET, Fiber Channel
- Microprocessor Clock – Instrumentation, TELECOM

The QTCC353 Series is offered with [HCMOS](#) or [LVPECL/LVDS](#) logic outputs and a selection of DC input voltages. Their frequency range is selectable from 25.000 MHz to 250.000 MHz with available frequency stability of ± 25 ppm from -40°C to 85°C . The devices, housed in a hermetically sealed, ceramic package with gold contacts, are tested for MIL-STD-202 compliance for vibration (Method 204.D) and shock (Method 213.I).

“Our QTCC353 Series has been designed specifically to perform better than MEMS devices in critical non-space applications,” said Scott Sentz, Q-Tech's Director of sales and Marketing. “Utilizing 3-point mounting and Q-Tech's proven XO manufacturing technology, these devices provide an exceptional solution in a broad range of applications that require a miniature footprint and high reliability.”

Availability: Now
Delivery: Consult Factory
Price: Consult Factory

About Q-Tech Corporation

[Q-Tech Corporation](#) was founded in 1972 with the objective of providing state-of-the-art crystal clock oscillators and frequency control solutions for companies with demanding applications. As the leading U.S. manufacturer of qualified products to MIL-PRF-55310 as well as ultra-high reliability standards such as Aerospace Corporation TOR (GPS III) and NASA GSFC specifications, Q-Tech proudly services the military, aerospace, down-hole and deep space industries. Q-Tech is certified to the AS9100 and ISO 9001 Quality Management Systems. The Company maintains a global presence with sales capabilities throughout North America, Europe, and Asia.

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