

## AXTAL Rack-Mount System Provides Very High Stability, Very Low Noise 10MHz Frequency References and Distribution Amplifiers

*OCXO, GPS or Rubidium frequency stability and low noise selective distribution amplifier ideal for complex telecom and timing applications; research, development and test laboratories.*

Cypress, CA—July 12, 2023 — [Q-Tech Corporation](#), a leading global supplier of space-qualified crystal



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oscillators and high-performance frequency control systems, announces the availability of the AXTAL AX9000 series. This series offers 10 MHz ultra-low noise frequency references with very high OCXO, GPS-disciplined OCXO or Rubidium stability down to  $10^{-13}$ .

The AXTAL distribution amplifier series AXDA9000 allows ultra-low noise and low jitter distribution of the 10 MHz and 1PPS reference signals. The standalone or combined systems are used in a variety of complex systems including atomic clocks, time servers, frequency combs and others.

The frequency references AXIOM9000 (OCXO), AXGPS9000 (GPS-disciplined OCXO) and AXRB9000 (Rubidium) as well as the distribution amplifiers AXDA9000/9100 are all packaged in 1U, 19-inch rack units. The Ultra-Low Noise Distribution Amplifier AXDA9000 provides up to 16 fully isolated 10 MHz outputs and the AXDA9100 is its counterpart for very low jitter 1PPS distribution.

“Unlike other distribution amplifiers in this class, the AXDA9000 is a selective and not a broadband amplifier, resulting in lower phase noise,” said Henry Halang, AXTAL’s Managing Director. “Combined with the supreme AX9000 frequency references, these units are an exceptional solution to a range of applications requiring multiple, isolated, accurate and stable timing sources.”

“The Acquisition of AXTAL has added significantly to the range of frequency control products we offer,” said Scott Sentz, Q-Tech’s Director of Sales and Marketing. “Products like the AXIOM9000 and AXDA9000 are an example of AXTAL’s system integration expertise.”

### About Q-Tech

[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. In early 2023, Q-Tech completed the acquisition of Axtal GmbH & Co KG. The Axtal acquisition integrates the company’s products, European-based engineering development and ISO9001:2015 manufacturing facilities.

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