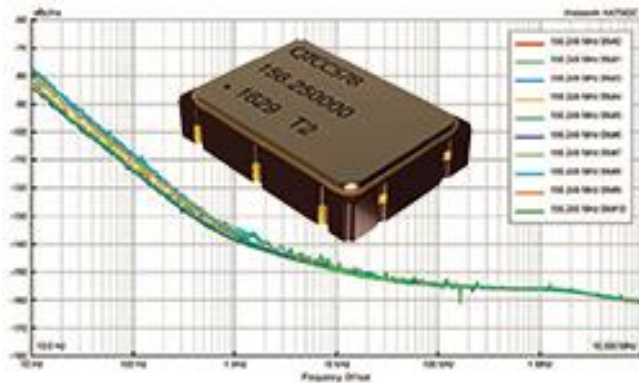




Q-Tech Ultra-Miniature Oscillators Boast Exceptionally Low Phase Noise

QTCC578 Series surface mount oscillators are ideal for a wide range of telecom and avionics applications

Cypress, CA— December 15, 2020—[Q-Tech Corporation](#),



the world's leading supplier of crystal oscillators for space, military, avionics and high-temperature applications, announces the availability of the [QTCC578 Series](#) of ultra-miniature crystal oscillators designed to meet the demand in high-performance, low-voltage applications with an exceptional phase noise floor of -155 dBc/Hz. The QTCC578 oscillators are offered with supply voltages of 3.3Vdc and 2.5Vdc. They are built using a miniature strip AT quartz crystal in a low-profile ceramic (5mm x 7mm x 1.5mm) hermetically sealed package with gold plated contact pads.

[\[Click on the image to download a hi-res JPG\]](#)

The QTCC578 series are LVDS logic differential output crystal oscillators. Models are available with frequency set to between 100.000 MHz and 250.000 MHz, with temperature range/frequency stability selectable from ± 25 ppm at -40°C to $+85^{\circ}\text{C}$ to ± 100 ppm at -55°C to $+125^{\circ}\text{C}$.

“This QTCC Series answers the demand for low phase noise in a number of commercial applications like fiber channel, telecom, SONET, Ethernet/SynchE and microprocessor clock,” said Scott Sentz, Q-Tech’s Director of Sales and Marketing. “This compact, reliable device is also effective in Mil/Aero applications, such as navigation, avionics and COTS.”

QTCC578 Series oscillators are ECCN: EAR99-classified, lead-free and RoHS compliant. Military screening per MIL-PRF-55310 is also available.

Availability: Now

Delivery: ~8 weeks (w/o optional MIL-PRF-55310 screening) - many standard frequencies in stock

Price: Consult factory (dependent on package, frequency and screening level)

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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