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If you need more information or data sheets, please don't hesitate to contact us.

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Q-Tech Miniature High-Temp Oscillators Target Down-Hole Applications

Ultra-miniature QTCH Series oscillators tailored for oil industry (down-hole drilling/data logging), high-temperature avionics and other high temp applications; Offered in SMT packages as small as 2.5x3.2 mm



Q-Tech Corporation, the world's leading supplier of crystal oscillators for space, military, avionics and high-temperature applications, announces the availability of the QTCH Series of ultra-miniature crystal oscillators for high-temperature applications. With a wide operating temperature range of -55C to 200C and offered in small, low-profile, surface-mount package sizes, the QTCH series is ideal for down-hole drilling as well as a host of other high-temperature, high shock/vibration applications.

The QTCH series are miniature surface-mount (SMD) crystal oscillators supporting frequencies between 1MHz and 48MHz. The devices are capable of operating over a wide supply voltage range from 1.8Vdc to 5.0Vdc and exhibit very low power consumption (<3mA). QTCH Series components are offered in three low-profile ceramic packages (2.5x3.2mm, 3.2x5.0mm and 5.0x7.0mm) are hermetically sealed with gold plated contacts or hot solder dipped.

"The QTCH Series answers the demand for superior performance in extreme high-temperature applications," said Scott Sentz, Q-Tech's Director of Sales and Marketing. "Just as with our low-earth-orbit and other military/aerospace crystals, the QTCH Series goes to places where failure isn't an option."

QTCH 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 screening) with many standard frequencies in stock
Price: Consult Protec (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.