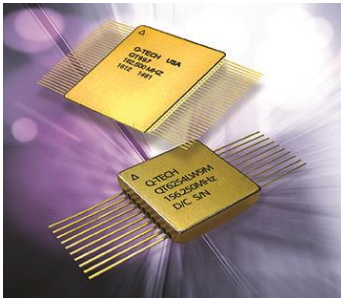




Q-Tech Launches Space-Qualified Multi-Output LVDS Hybrid Oscillators

Up to 12 LVDS differential pairs in a single package save valuable space and cost; hermetically-sealed, 100k kRad(Si)-tolerant oscillators meet MIL-PRF-38534 Class K requirements, combine good shock and vibration resistance with superior low phase noise



Culver City, CA—August 8, 2019—[Q-Tech Corporation](#), the world’s leading supplier of crystal oscillators for space, military, avionics and high temperature applications, announces the availability of the [QT6xxLW Multiple Output LVDS Series](#) of space qualified crystal oscillators. These MIL-PRF-55310 oscillators are Type 1 Class 2 hybrids, delivering exceptional frequency and temperature stability for space satellite and other high-performance aerospace applications. Units in the series are available with from 1 to 12 LVDS differential output pairs at selected frequencies between 15 MHz to 200 MHz.

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The Series is offered in two packages, depending on the number output pairs: a 20-pin, .625 x .625 inches flat pack for one to six LVDS pairs and a 62-pin, 1.25 x 1.65 inches flat pack for eight to twelve output pairs. Terminal finish options are gold or hot solder dip.

All QT6xxLW Series oscillators operate from a 3.3 Vdc supply voltage. They are rated for operation over a full military -55C to 125C temperature range. All are quality conformance screened to MIL-PRF-38534, Class K modified standards. Exceptional reliability – an essential requirement for devices in this class – is supported by a combination of industry-leading performance specifications, including: 100 kRad(Si) total dose ionization radiation hardening, Integrated Phase Jitter (from 12 kHz to 20 MHz) less than 1 ps, Skew between outputs of less than 0.4 ns, and excellent shock and vibration.

“The LVDS output of the QT6xxLW LVDS Series delivers the low phase noise and virtually jitter-free performance required in many satellite and military applications,” said Scott Sentz, Q-Tech’s Director of Sales and Marketing. “The innovative multiple output packaging saves valuable board space and cost.”

Availability: Now
(ECCN:EAR99 listing facilitates procurement by qualified international customers.)
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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