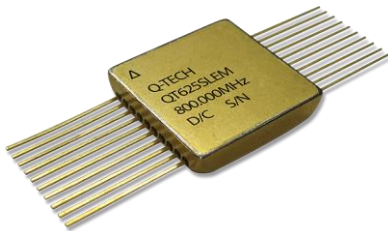




Q-Tech Industry's Best Radiation-Tolerant SAW Oscillators Optimized for GEO Applications

Space-Qualified hybrid SAW oscillators offer 300kRad(Si) radiation tolerance, wide operating temperature, excellent phase noise floor and low vibration sensitivity to meet GEO satellite and space application requirements.



Cypress, CA—May 5, 2020—[Q-Tech Corporation](#), the world's leading supplier of crystal oscillators for space, military, avionics and high temperature applications, introduces the QT625S/QT725S Series of space-qualified hybrid surface acoustic wave (SAW) crystal oscillators, offering satellite and space craft designers exceptional performance for geosynchronous orbit (GEO) and other deeper space applications requiring the utmost in tolerance to radiation.

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The 300kRad(Si) radiation-tolerant, sine-wave output [QT625S](#) (SAW) and [QT725S](#) (VCSO) oscillators are available with user-specified frequencies from 400MHz to 1.3GHz with exceptional frequency stability over a wide operating temperature range (-40°C to +85°C). Low phase noise (-135 dBc/Hz at 10kHz offset and -168 dBc/Hz noise floor) and low vibration sensitivity (less than 2ppb/g) combine to provide stable and reliable operation.

The QT625S/QT725S Series is packaged in a hermetically sealed, in a 20-pin flat-pack 0.625" square, available with straight or formed leads. The devices are screened to MIL-PRF-55310, Level S or Modified MIL-PRF-38534, Class K. The QT725S Series VCSO offers engineers the expanded voltage control capability if desired.

"Q-Tech's hybrid Saw oscillators have been developed to meet the critical needs of satellite manufacturers for ultra-high-reliability components in arguably the most environmentally stressful environments," said Scott Sentz, Q-Tech's Director of Sales and Marketing. "We are applying our 35-plus years of knowledge, experience and space heritage to deliver this world-class line of devices."

Availability: Now

Delivery: 20-24 weeks (Engineering models w/o MIL-PRF screening)
42-48 weeks (Flight models with standard MIL-PRF screening)

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

Editorial Contact

Scott Sentz, Director, Sales & Marketing
Q-Tech Corporation
+1.310.836.7900 ext.110
scott.sentz@q-tech.com

Agency Contact:

Greg Evans, P.E.
WelComm, Inc.
858.633.1911
greg@welcomm.com