



MtronPTI Timing Products Help Secure Our Wireless Life

Stratum 3 and low g-sensitivity TCXOs in smaller packages for encryption and portable applications

Orlando, FL, March 11, 2014 – MtronPTI, leader in precision frequency control and custom RF/microwave filters, today announced the M617x and M618x TCXO/VCTCXOs: smaller package versions of their popular M615x and M616x series.

Mel Mehret, Timing Products Applications Engineer, says, “Today we depend on instant communication – data, voice, video – anywhere, anytime; but how can we be sure our digital wireless ‘line’ goes straight to the right destination? With so many handoffs, so many technology standards and so many carriers involved, it’s good to know that the *fundamental data timing* is something you don’t have to worry about.”

Serving as the master clock in encryption/decryption systems, clocking data through internet switches and found inside secure portable communication terminals, MtronPTI’s high stability TCXOs have long been trusted to make and keep the connection. Mel continues, “Building on the success of the low phase noise, high stability M615x Stratum 3 and low g-sensitivity M616x, we’ve pushed the crystal finishing process further to allow the same performance but twice as small: in a 3.2 x 5 mm package.”

The M617x Stratum 3 TCXO is shipping to internet communication equipment makers today with ± 0.34 ppm 24-hour stability – including all disturbing effects, unlike some of its competition. The M618x TCXO for portable applications offers stability down to ± 0.1 ppm for 0 °C to +70 °C and ± 0.2 ppm for -40 °C to +85 °C. Both devices have very low ~ 1 ppb/g g-sensitivity to insure secure data channels remain in lock-step under vibration or physical shock.

TCXO: temperature compensated crystal oscillator

VCTCXO: voltage controlled (tuned) temperature compensated crystal oscillator

About MtronPTI

MtronPTI is an AS9100 rev C certified designer and manufacturer of advanced, highly engineered frequency control and filter products for aerospace, defense, instrumentation and Internet communication applications. Based in Orlando, Florida, with design, sales and manufacturing locations in North America, Asia and Europe, MtronPTI is a subsidiary of The LGL Group (NYSE MKT: LGL). For more information, visit <http://www.mtronpti.com> and <http://www.lglgroup.com>.

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