TCXO delivers Best-in-Class Stability

3/10/2021 – San Jose, California: RFMW announces design and sales support for the Rakon Neptune™ Ultra Stable TCXO (US-TCXO) product family. The RNT7050 series offers best-in-class frequency stability of ±50 ppb for 5G and other telecommunication applications and is available in a 7x5 mm footprint. The core XMEMS™ crystal resonator technology, maintains long-term stability (ageing) of better than 1.5 ppm over 10 years. Meeting the stringent requirements of IEEE 1588v2, ITU-T G.813, G.8273.2 and G.8262 & G.8262.1, the design and engineering of the RNT7050 series recognizes that 5G Remote Radio Head (RRH) air interfaces need tight EVM limit masks, and thus low contribution to EVM from the phase noise of reference clocks. For example, the E8006LF has an outstanding low noise floor of -158 dBc/Hz, making it the device of choice for radio and network interfaces. Rakon’s patented ‘tilt compensation’ technology assures frequency stability is maintained at any control voltage and guarantees optimum performance over the life of the equipment.

Samples are available for qualified requirements through RFMW at 1-877-FOR RFMW (367-7369) within North America; or please find your local sales engineer (worldwide) at the contact page on the RFMW web site.

About RFMW

RFMW is a specialty electronics distribution company focused exclusively on serving customers that require RF and microwave components and semiconductors, as well as component engineering support. The company continues to expand its list of products from selective suppliers with RF/microwave expertise. RFMW deploys a highly experienced, technically skilled team to assist customers with component selection and fulfillment.

To learn more about RFMW, visit their Website at www.rfmw.com, or call us at 1.877.FOR.RFMW (367-7369), or via e-mail at info@rfmw.com.

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