MEMS TCXO delivers Dynamic Performance

1/5/2022 – San Jose, California: RFMW announces design and sales support for SiTime’s SiT5156 series of Elite Platform™, MEMS Super-TCXOs. The SiT5156 series oscillators deliver ±0.5 to ±2.5 ppm stability performance and can be factory-programmed to any combination of frequency (from 1 to 60 MHz), voltage and pull range. Digital frequency pulling (DCTCXO) via I2C allows digital control of output frequency and pull range up to ±3200 ppm with frequency pull resolution down to 5 ppt. SiTime’s unique DualMEMS™ and TurboCompensation™ temperature sensing technology deliver stable timing in the presence of environmental stressors – airflow, temperature perturbation, vibration, shock, and electromagnetic interference (EMI). Programmability enables designers to optimize the clock configuration while eliminating the long lead time and customization costs associated with quartz TCXOs where each frequency is custom built. For example, the SIT5156AICFK-33N0-32.000000 is programmed for 32 MHz, clipped sinewave output with a 3.3 volt supply. Applications include precision GNSS systems, microwave backhaul, network routers and switches, professional audio and video equipment, storage and servers.

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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