



MEMS Frequency Control Products Launched by QVS Tech

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QVS Tech Inc. has announced that they are now offering microelectromechanical sensor (MEMS) frequency control products. They use a silicon-based MEMS oscillator CMOS circuit as opposed to a quartz-based resonator for frequency generation. This is a drop-in replacement for most quartz-based oscillators. A key advantage is that it provides tight frequency stability in sizes of 2.0 mm x 1.6 mm, 2.5 mm x 2.0 mm, 3.2x2.5 mm and 5.0 mm x 3.2 mm. The new product series is known as the QMEM series and their LVCMOS series is compatible with clock oscillator devices. Those who want to learn more about what they offer can visit their website.

The usual applications for these MEMS frequency control products are Fiber Channel, Gigabit Ethernet, Servers, Routers, PCI Express, network switching, FBDIMM, SATA/SAS, ATM, SONET, and SDH. They can also be used in scanners, medical equipment, modems, printers, cameras, notebook computers, and PDAs.

These MEMS frequency control products offer various technical benefits. They are fully configurable and have a wide frequency range of 1 MHz to 110 MHz. Several supply voltages are available, such as +1.8V, +2.5V, +2.8V, and +3.3V. They offer +/- 20ppm frequency stability in a wide range of operating temperatures.

They have low ms period jitter and they have tight duty cycle options of 50 percent +/- 5 percent. They are halogen-free, lead-free, and antimony-free. They are also compliant with the Restriction of Hazardous Substances Directive (RoHS) and the REACH regulation of the European Commission. QVS Tech offers fast delivery in five days or even less.

Aside from MEMS, QVS Tech Inc. provides other products, including quartz crystals, clock oscillators, OCXO oscillators, TCXO oscillators, VCXO oscillators, and ceramic resonators. Those who need more information can view the company Facebook Page.

They offer high-quality surface-mount device (SMD) and thru-hole quartz crystals that are available in several different packages, each with different frequencies and sizes. The frequencies of quartz crystals range from a few tens of kHz to hundreds of MHz.

They also provide SMD and thru-hole clock oscillators. The company assures customers that their SMD clock oscillators will always be up-to-date for use in the latest medical, navigation, video, camera, and test equipment. These oscillators are also applied in the latest networking equipment and routers.

Meanwhile, QVS Tech's SMD TXCO products are available in a wide range of configurations, including low supply voltages options, low current consumption, tight stabilities, and extended temperature ranges. Typical applications for their SMD TXCO products include PDAs, mobile communication equipment, portable radio equipment, GPS, and cellular and cordless phones. Typical packages are 3x5 and 5x7 packages with HCMOS/TTL and clipped sine wave outputs.

The thru-hole TCXO products are also available in a wide range of configurations that include low supply voltage options, tight stabilities, extended temperature ranges, and low current consumption. Usual applications include portable radio equipment and mobile communication equipment. According to the company, thru-hole technology is often used for certain requirements, such as manual adjustments such as those required in prototyping and testing applications; extreme accelerations, temperatures or collisions; components are often subjected to mechanical stress; product for aerospace or military use; required direct interface with breadboard; thermal cycling of potting compounds; and special mechanical, electrical and thermal considerations or requirements.

VCXO products are also available in a wide range of configurations. Features include wide pulling range, low current consumption, tight stability, and low voltage options. Typical applications for VCXO products includes digital video, digital TV tuner, DVD, synthesizers, DVD, computers and test equipment, and portable MP3 players. Frequencies available are up to 750 MHz, 155.52 MHz, 311.04 MHz, a 622.08 MHz.

TCVCXO products are also available from QVS Tech for a wide range of configurations, including tight

stabilities, extended temperature ranges, low supply voltage options, and low current consumption. Typical applications include PDAs, GPS, mobile communication equipment, portable radio equipment, cellular phones, and cordless phones.

To help the users of their products, QVS Tech Inc. offers various technical information on their website. These include solder re-flow specs, crystal part number guide, conflict of minerals due diligence report, tape and reel specs, ceramic resonator terms and application notes, crystal terms and application notes, voltage controlled terms and oscillator notes, and conflicting mineral statement.

QVS Tech Inc. is a woman-owned, leading worldwide supplier of frequency devices such as, crystals, oscillators, temperature compensated crystal oscillators (TCXO), voltage controlled crystal oscillators (VCXO), temperature compensated, voltage controlled crystal oscillators (TCVCXO), oven controlled crystal oscillators (OCXO) and now MEMS frequency control devices.

Those who need more information can visit their website or contact QVS Tech by phone.

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QVS Tech Inc

QVS TECH INC has been successfully supplying high quality Frequency Control Products and Oscillators for over 15 years. We have established a reputation of providing superior service to our customers and quick deliveries.

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