High Performance OCXO Operates at 3.3 V

MTI-Milliren Technologies, Inc. has recently introduced a new 3.3 V OCXO. The 220 Series measures 0.975inches L &#215 0.800inchesW &#215 0.500inchesH (24.8 &#215 20.3 &#215 12.7mm.) This series was designed to serve the telecom challenge of achieving higher performance from increasingly smaller subsystems and decreasing supply voltage requirements. Covering frequencies from 4.8 MHz to 125 MHz, these devices achieve the necessary performance characteristics normally associated with larger designs by using a full size TO-8 (HC-37) quartz housing. Features include a thermal stability of 2.0E-08 over a 100&#176C temperature range, warm up time of less than 5 minutes, and power consumption of 1.0 W at +25&#176C. Also featured is a phase noise @ 1 Hz offset of &#150 95 dBc/Hz with a noise floor of &#150 150 dBc/Hz. Devices are delivered in hermetic 16 pin dip or surface mount packages, or can be modified with footprint adapter boards to fit current designs. With superior thermal performance, excellent shock and vibration performance, and an MTBF of +600,000 hours at 25&#176C ambient, these devices meet or exceed the characteristics of much larger products currently available. In addition, this series performs to STRATUM III and IIIe standards and is ideal for applications requiring low power consumption and space restrictive environments. They are available in high volume for the following applications: GPS Receivers, Instrumentation, PC, VXI/VME, V-SAT Terminals, Rack Mounted Applications, and Cellular Paging Base Stations. Standard frequencies are available or custom frequency outputs and specifications can be designed upon request

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