



The Connor-Winfield Corporation

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Connor-Winfield's new VPLD5*T is a family of VCXO Oscillators with Improved Total Frequency Tolerance

Connor-Winfield's new VPLD5*T Series offer various stabilities from ± 100 ppm down to 20 ppm in a surface mount 9x14mm VCXO low profile package. Total tolerance is guaranteed for all types of frequency variability (including 15 year aging). With its low jitter and tight frequency tolerance, this oscillator is suitable for use in PLL circuits used in SONET/SDH system applications. This new family of VCXOs is available in frequencies from 311 MHz to 700 MHz



Product Exclusive: The low phase noise output is also achieved in the higher frequencies because the design uses parametric multiplication to preserve the low phase noise characteristics inherent in the inverted mesa resonator.

Features of the new VCXO crystal controlled oscillator include:

- Meets SONET Phase Jitter Requirement – (12 kHz – 20 MHz) at < 1 ps
- Various total frequency stabilities from ± 100 ppm down to 20 ppm
- Differential LVPECL outputs
- Available up to 700 MHz
- Surface mount package

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