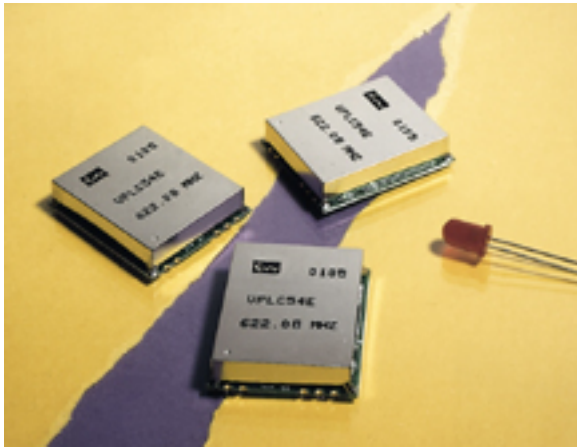


Non-PLL Based Crystal Oscillator



Connor-Winfield gives designers a significant advantage with the industry's first low profile, non-PLL VCXO oscillator. Capable of operating at 622.08 MHz and designed for use in phase locked loops of SONET/SDH systems, this new 3.3 V oscillator is based on a fundamental mode crystal, making it more stable than traditional PLL oscillators. It also minimizes jitter (< 1ps RMS), critical for OC192 applications.

The non-PLL crystal controlled oscillator is the first to operate at 3.3 volts, allowing for more efficient, cost-effective designs. Designed as an SMT on FR4 circuit board for ease of use.

Features of the new VCXO crystal controlled oscillator include the first non-PLL crystal oscillator to operate at 622.08 MHz, it allows designers to use a single supply voltage at 3.3 V, stable performance and minimal jitter, ideal for OC192 applications, low profile, non-hermetic 1 inches² 1.2 inches SMT package with FR4 substrate and grounded metal cover.

Source URL (retrieved on 01/26/2015 - 3:31pm):

http://www.wirelessdesignmag.com/product-releases/2001/05/non-pll-based-crystal-oscillator?qt-digital_editions=0