

Lower Voltage, High Performance in Fox's New 1.8 V XpressO-ULTRA Oscillator

HCMOS version matches lower voltage levels of current chip sets



Fort Myers, Fla. July 7, 2014 – Fox Electronics, a leading global supplier of frequency control solutions and an IDT company, now offers a 1.8 V HCMOS XpressO-ULTRA oscillator. This latest line expansion provides lower power consumption without sacrificing performance. Designers can employ a [compact 1.8 V ultra-precision oscillator](#) that works at the same circuit level as modern chip sets.

Recognizing that today's electronics are both more sophisticated and subjected to high temperature extremes, Fox developed the new [FXU-HC51](#) series to operate across a wide temperature range of -40°C to +85°C.

The new oscillator can be used in many high component density applications with limited power options or heat dissipation concerns. Uses range from SONET, Ethernet, storage area networks and broadband access to microprocessors, FPGAs, industrial controllers and test and measurement equipment.

The low voltage HCMOS XOs offer stabilities as tight as ± 20 ppm and a frequency range of 0.016 MHz to 62.5 MHz with a frequency resolution to six decimal places for exceptional precision.

Package size is 5 mm x 3.2 mm and termination finish is Gold over Nickel. The RoHS-compliant XpressO-ULTRA XO fits industry standard four pad layouts.

The XpressO-ULTRA series incorporates the advanced performance attributes defined by Fox's original XpressO line to provide exceptionally low jitter in highly dense electronic environments. The exceptional delivery times and low price point of Fox's XpressO-ULTRA help to further revolutionize the frequency control industry.

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Technical Specifications:

- 1.8 V HCMOS 5 mm x 3.2 mm XpressO-ULTRA oscillator
- Voltage level matches that of modern chip sets for easy integration
- Stabilities as tight as ± 20 ppm
- Exceptionally low jitter
- Extended temperature operation available: -40°C to $+85^{\circ}\text{C}$
- 0.016 MHz to 62.5 MHz frequency range with six decimal frequency resolution

Pricing for a 1.8 V HCMOS XpressO-ULTRA oscillator depends on selected parameters, including stability, operating temperature range and frequency. Sample delivery is three to five days; production quantities are one to two weeks ARO.



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