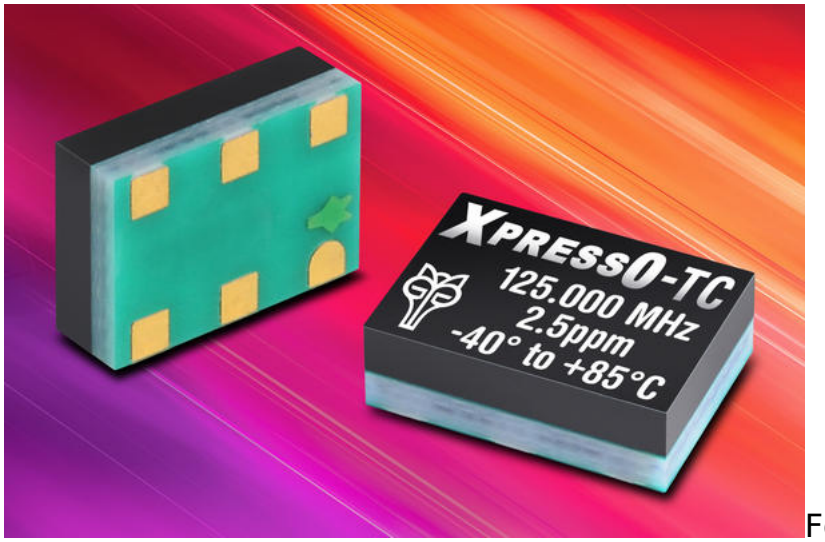
Oscillator Offers Custom Frequency up to 250MHz



Fox Electronics has enhanced its innovative XpressO line of low jitter configurable oscillators with the XpressO-TC, a new TCXO version with custom frequencies up to 250 MHz. As with all XpressO oscillators, the new TCXOs can be delivered in less than ten working days, a major improvement over the standard lead times of competitive offerings.

Part of the FXTC-HE73 series, the new HCMOS XpressO-TC oscillators offer a tight frequency stability of ±2.5 ppm across an extended temperature range of -40°C to +85°C. With custom frequencies up to 250 MHz, the new TCXOs offer a significant advantage over traditional TCXOs with a typical maximum frequency of 50 to 60 MHz.

The new devices are ideal for applications requiring high precision and extremely low jitter, including medical monitoring and measurement, telecommunications and networking as well as military communications.

The XpressO-TC is based on Fox's proprietary ASIC technology with a 3rd order Delta Sigma Modulator (DSM) to significantly reduce noise to levels comparable with traditional bulk quartz and SAW oscillators. This ASIC family enables the selection of output type, input voltages and temperature performance within the oscillator.

E.L. Fox, Jr., president of Fox Electronics, noted, "Adding this TCXO version to our growing XpressO line brings the cost and performance benefits of our proprietary technology to more end user applications. With the constant pressure of price and performance weighing on many electronic device manufacturers, the continued expansion of our XpressO line will help meet these growing industry demands."

Samples are available in only one to two days. The new XpressO-TC includes Fox's serial identification system that ensures exceptional quality control and unique traceability of each part throughout the entire manufacturing process.

Fox Electronics
www.foxonline.com [1]

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