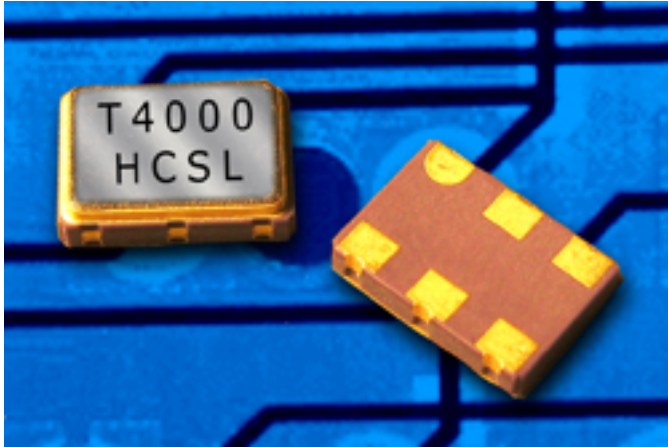


Oscillator Features High-Speed Current Steering Logic



Tellurian Technologies, Inc. introduced its newest crystal oscillator product, the T4000HCSL. This crystal oscillator touts a small package size of 5.0 mm x 3.2 mm x 1.3 mm and provides a high-speed, current steering logic output (HCSL). It is designed to reduce the cost and need for the additional circuitry needed to translate CMOS, LVDS, and LVPECL outputs. The oscillator provides a lifetime stability of +/- 25 ppm for all conditions over -40 °C to +85°C and boasts an RMS jitter of less than 1 ps (12 kHz to 20 MHz) by using a 3rd overtone crystal design. The T4000HCSL eliminates spurs through a PLL chip set using voltages as low as 2.5 V and drawing a maximum current of 88 mA. The oscillator is targeted for PCI express applications and other communications devices requiring high speed data transfer. It is currently available in 100 and 125 MHz with other frequencies under development. Pricing is \$3.75 at 1k and available on tape and reel.

Tellurian Technologies, Inc.

847-934-4141, www.telluriantech.com [1]

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<http://www.ecnmag.com/products/2012/03/oscillator-features-high-speed-current-steering-logic>

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[1] <http://www.telluriantech.com>