

PRODUCT HIGHLIGHTS

The editors' choices of outstanding products, selected for technological advancement or a substantial gain in price and performance.

Oscillator switches frequency on the fly

Device offers the fastest start-up time and the lowest jitter for a programmable part

Based on the company's field instantly programmable oscillator (FIPO), the CPPD series dual FIPO is presented as the first such device to offer a frequency-select function that can satisfy two different frequencies on one board with one output. This change of frequency is done within seconds requiring no external components, thus saving engineering time, cost, and board space.

In addition, the oscillator is claimed to provide the fastest start-up time—10 ms—and the lowest jitter—8 ps typ—for a programmable part, equivalent to standard fixed-frequency parts. The device can be programmed to fit frequencies from 1.000 to 133.000 MHz.

Operating voltage is 2.7, 3.3, and 5.0 V, and available temperature ranges are 0° to 70°, -20° to 70°, and -40° to 85°C. Features include CMOS/TTL output and frequency stabilities of 25, 50, and 100 ppm.

The PG-3000 field oscillator instrument is used to program the device. Oscillator blanks are available in full-size 14-pin DIP, half-size 8-pin DIP, 5 x 7 ceramic SMD, and plastic SMD. (Less than \$1.50 ea/1,000—available now.)

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The CPPD series dual FIPO is offered as the industry's first such device to include a frequency-select function.