



The Connor-Winfield Corporation

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November 2002

## Connor-Winfield's New Synchronous Clock Generators Now Operates At The Industrial Temperature Range

Connor-Winfield introduces a new Synchronous Clock Generator, the SCG2000i. Unlike the SCG2000, which operates in the Commercial Temp Range (0 – 70°C), the new SCG2000i operates in the Industrial Temp Range of –40 to 85°C. This new Synchronous Clock Generator carries the same enhanced features of the SCG2000 and 2500 family and provides high precision frequency translation for telecommunication applications.

**Enhanced Performance:** The SCG2000i offers superb performance, especially in applications where network line cards using these SCGs are cascaded together in series. Enhanced performance includes lower phase gain for lower percent overshoot and greater bandwidth.

Additional benefits include a Free Run mode, excellent jitter attenuation (8 Hz bandwidth), and ultra low jitter output (<1ps rms, SONET bandwidth).

Features of the new SCG2000i include:

- Operates in the Industrial Temp Range (–40 to 85°C)
- Phase Locked Output Frequency Control
- Intrinsically Low Jitter Crystal Oscillator; < 1ps rms
- Tri-Stateable Alarm Output and Reference Output
- Fast Acquisition Time (<1s)
- 3.3V Power Supply
- Surface Mount Package
- Max Package Dimensions: .78" x .83" x .35" (19.81mm x 21.08mm x 8.89mm)
- Low Voltage CMOS and TTL Compatible Outputs
- Available frequencies: 19.44 MHz and 125 MHz

Products are available for order as of October, 2002.

\$41.80 ea at 1k pieces @ 19.44 MHz; \$100.00 ea at 1k pieces @125 MHz

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