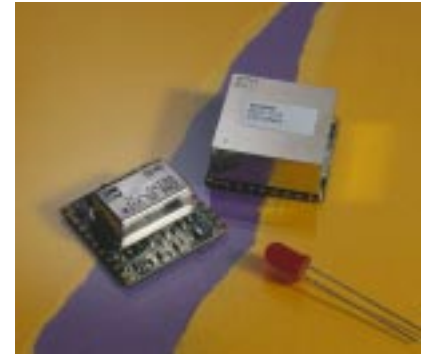


June 2001

New Connor-Winfield Mixed-Signal Phase Locked Loop Synchronous Clock Generators Enhance System Performance

The new SCG4000s and SCG4500s from Connor-Winfield are mixed-signal phase locked loops generating LVPECL outputs from a fundamental frequency, low jitter, voltage controlled, crystal oscillator. They are ideally suited for line cards in network element equipment that forms the telecommunications infrastructure.



Enhanced Performance: The SCG4000 and SCG4500 enhance performance, especially where network line cards using these SCGs are cascaded together in series. Designers will appreciate lower phase gain for lower percent overshoot and greater bandwidth.

In addition, smoother switching into Free Run mode, closer tracking of signal “wander,” better isolation between inputs and outputs, and better temperature transient performance help to increase overall system performance.

Features of the new SCG4000 and SCG4500 include:

- Phase Locked Output Frequency Control
- Intrinsic Low Jitter Crystal Oscillator for Multiplying Up to OC48
- LVPECL Outputs with Disable Function
- One or Two Selectable Ref. @ 8 kHz
- LOR and LOL Alarm
- 3.3V DC Power Supply
- Small size: 1 Square Inch
- Frequencies - 155.52 MHz and 166.63 MHz

Product will be available for order in May 2001.

For more information contact Connor-Winfield Corp.

Tel: 630.851.4722 / Fax: 630.851.5040

www.conwin.com

info@conwin.com

Data Sheet Link: **SCG4000:** www.conwin.com/datasheets/sg/sg031.pdf
SCG4500: www.conwin.com/datasheets/sg/sg026.pdf