

PhaseLink Corporation Announces the Newest in its PicoXO Clock Oscillator Family

1.62V to 3.63V Operation, Built-in ALC, Lowest Power, With Smallest Footprint

Fremont, California. – January 19th 2009 – For Immediate Release

PhaseLink Corporation, a leader in frequency source generation and the inventor of the Analog Frequency Multiplier (industry's best performing clock IC), and PicoPLL (world's smallest and lowest power programmable clocks) today announced the availability of the newest member of PhaseLink's PicoXO clock family, the PL610-61.

PhaseLink's PL610-61 is a fixed version of the world's smallest, lowest power, and best performing programmable oscillators, the PL610-XX. This family offers the smallest die size that comfortably accommodates package cavities as small as 2.0x1.6mm ceramic module or a 2.0x1.3x0.6mm DFN package, operates on a 1.62V to 3.63V supply range, accepts sine wave or square wave inputs with <0.1V voltage swing, while offering the lowest power consumption. With its smallest size, PL610 family has an uncompromising performance that also supports a built-in Automatic Level Control (ALC) circuitry that regulates performance, and is capable of ± 50 ppm crystal fine-tuning to reach the desired 0ppm output frequency. PL610 family is also capable of producing two clock outputs of equal or differing frequencies.

"The programmable versions of the PL610 are capable of covering an output frequency range of 80kHz to 130MHz using a single die, unlike the competition that uses 8 different die for each package size to cover a smaller frequency range.", said Amir Naghavi, VP of Marketing for PhaseLink Corporation. "Combined with its ± 50 ppm crystal fine-tuning, the programmable PL610 family reduces the IC inventory costs, while providing a distinct feature and pricing differentiator for the oscillator manufacturers."

PL610 family is ideal for handheld/portable and battery powered applications such as Personal Navigation Devices (PND), Phones/Smart Phones, Mobile Gaming, RF Radios, Bluetooth, or in other consumer electronics applications such as Camcorders, Cameras, or any application where performance, power, space savings, and cost are of importance.

With a flexible input (Crystal or Reference Clock) and a 6-bit odd/even frequency divider that can produce outputs from 80kHz to 130MHz with 50% duty cycle, and three output drives to choose from, the PL610 family has the configurability to meet the requirements of oscillator manufacturers as well as system integrators. The second output could be the reference input or a divided version of it. The PL610 is sold in die or packaged IC form. The packaged versions are housed in a 6-pin DFN or SOT23 GREEN/RoHS compliant packages.

Product Family Summary:

Part Number	Input (MHz)	Output (MHz)	Operating Voltage	Features	Package
PL610-6X	<ul style="list-style-type: none"> Fundamental: 5 to 60 Reference: ≤ 60 	<ul style="list-style-type: none"> ≤ 60MHz @ 2.5V to 3.3V ≤ 40MHz @ 1.8V operation 	1.8V 2.5V 3.3V	<ul style="list-style-type: none"> Wide output frequency range from kHz to MHz Non programmable $< 5\mu$A standby current 	<ul style="list-style-type: none"> Die Only
PL610-01/02/03	<ul style="list-style-type: none"> Fundamental: 5 to 130 Reference: ≤ 130 	<ul style="list-style-type: none"> ≤ 130MHz @ 1.8V to 3.3V operation 	1.8V 2.5V 3.3V	<ul style="list-style-type: none"> Fully programmable ± 50ppm Crystal fine tuning Configurable for 2-outputs or 1-output plus OE 6-bit odd/even divider with 50% duty cycle 3 output drives to select from 	<ul style="list-style-type: none"> Die Form 6-pin DFN 6-pin SOT23

Pricing and Availability

The PL610-61 is available for sampling and production use in die or packaged options. Offered in GREEN/RoHS compliant 6-pin DFN or SOT-23 packages, the PL610 is priced at less than \$1.00 in moderate quantities.

About PhaseLink Corporation

January 19, 2009

PhaseLink Corporation is the recognized leader in the mixed signal technology for timing source and signal conditioning ICs, in the area of Communications, Data Storage, Personal Computing, and Consumer Products. An innovator of many first to market products such as Analog Frequency Multipliers, Triangular Modulation SST, PicoPLL (world's smallest programmable clock), PhaseLink is principally focused on providing high performance Frequency timing (XO, VCXO, EMI Reduction, Programmable Clocks, ZDBs, etc.) clock IC solutions.

Additional information and datasheets can be found at www.phaselink.com or by calling 510-492-0990.

Editorial Contact:

Katy Moz
PhaseLink Corporation
47745 Fremont Boulevard
Fremont, CA 94538
Phone: 510-492-0990 x230
Fax: 510-492-0991
pr@phaselink.com
www.phaselink.com

PhaseLink Corporation and the PhaseLink logo are registered trademarks of PhaseLink Corporation. PicoPLL, PicoEMI, Analog Frequency Multiplier, are trademarks of PhaseLink Corporation. All other product names or company names are mentioned for identification purposes only, and may be trademarks of their respective owners.