

## PhaseLink Corporation Announces the Availability of PicoEMI™; Spread Spectrum Clock Modulation for EMI Reduction 2.5V~3.3V Operation, **GREEN**/RoHS Compliant Packages

**Fremont, California.** – February 12, 2007 – **For Immediate Release**

PhaseLink's PicoEMI family (PL671) is the world's best performing, Lowest jitter Programmable Spread Spectrum Clock Generator (PSSCG). This family offers up to 200MHz outputs, less than 100ps Cycle to Cycle jitter, 16 modulation magnitudes to choose from, 4 pre-programmed configurations to cycle through, low-power consumption, 3 drive strengths to select from, and up to 3 outputs to replace alternative solutions, in a small footprint **GREEN**/RoHS compliant SOT23-6L or SOP-8L package.

PhaseLink Corporation, a leader in frequency source generation and the inventor of the Analog Frequency Multiplier™, PhasorV™, and PicoPLL™ (world's smallest programmable clock) today announced the availability of its PicoEMI, the newest member of PhaseLink's extensive EMI clock family.

Higher frequencies, wider buses, and multiple outputs with faster edge rates are the main contributors of undesired EMI in digital systems. By spreading the energy peak, through its frequency modulation engine, the PicoEMI reduces the dissipated Electromagnetic radiation, thereby providing a low-cost alternative for seeking regulatory agency approvals.

The PicoEMI is PhaseLink's second generation EMI reduction clock ICs and is a merger of PhaseLink's highly regarded Spread Spectrum clock modulation for EMI reduction clocks and PhaseLink's PicoPLL, the world's smallest programmable clock IC, technologies. The PicoEMI offers a wide range of modulation magnitudes for Center or Down spread modulations and, depending on the application, can reduce EMI emission by as much as 20dB.

"Up to 20dB reduction in EMI radiation, cycling through '4' pre-programmed configurations, supporting multiple output frequencies, and its small footprint makes the PicoEMI clock ideal for significantly reducing the system EMI and design cost", said Amir Naghavi, VP of Marketing for PhaseLink Corporation. "PicoEMI's versatility and performance attributes are yet another testament to PhaseLink's commitment to design excellence."

PicoEMI can be programmed to generate up to 200MHz from a low-cost 10MHz to 40MHz fundamental crystal, or a reference input from 1MHz to 200MHz. The device consumes less than 10µA of power (when PDB is activated) with <100ps Cycle to Cycle jitter performance.

The PicoEMI family is targeted for performance driven designs where EMI radiation is a problem, in particular in applications such as Multi Function Printers (MFP), Video/Graphics systems, and other household appliances where space and power constraints are essential. The PicoEMI family supports commercial (0° C to +70° C) and industrial (-40° C to +85° C) temperature ranges. In addition, all PicoEMI family members operate on 2.5V, or 3.3V ± 10% power supply.

**Product Family Summary:**

Part Number	Input (MHz)	Output (MHz)	Operating Voltage	Features	Package
PL671-01	<ul style="list-style-type: none"> <li>Fundamental: 10 – 40</li> <li>Reference: &lt;200</li> </ul>	<200	2.5V 3.3V	<ul style="list-style-type: none"> <li>Up to 3 programmable clocks.</li> <li>4 on-the-fly configuration switching</li> <li>Programmable Modulation Rate, PDB or CLK, and output drive strength</li> <li>Center or down spread with 0.25% resolution</li> </ul>	Wafer SOT23-6L MSOP-8L SOP-8L
PL671-03	<ul style="list-style-type: none"> <li>Fundamental: 10 – 40</li> </ul>	<200	2.5V 3.3V	<ul style="list-style-type: none"> <li>Fixed multiplier of 2 or 4</li> <li>4 pre-programmed Modulation Rates</li> <li>Output Enable (OE)</li> </ul>	Wafer
PL671-05 PL671-06	<ul style="list-style-type: none"> <li>Reference: 10 - 200</li> </ul>	<200	2.5V 3.3V	<ul style="list-style-type: none"> <li>Switchable input/output pins</li> <li>4 on-the-fly configuration switching</li> <li>Center or down spread with 0.25% resolution</li> </ul>	SOT23-6L
PL671-21 PL671-22	<ul style="list-style-type: none"> <li>Fundamental: 10 – 40</li> <li>Reference: &lt;200</li> </ul>	<200	2.5V 3.3V	<ul style="list-style-type: none"> <li>Up to 2 programmable clocks.</li> <li>2 on-the-fly configuration switching (-22)</li> <li>Programmable Modulation Rate, PDB or CLK, and output drive strength</li> <li>Center or down spread with 0.25% resolution</li> </ul>	SOT23-6L
PL671-25	<ul style="list-style-type: none"> <li>Fundamental: 10 – 40</li> <li>Reference: &lt;200</li> </ul>	<200	2.5V 3.3V	<ul style="list-style-type: none"> <li>Up to 3 programmable clocks.</li> <li>4 on-the-fly configuration switching</li> <li>Programmable Modulation Rate, PDB or CLK, and output drive strength</li> <li>Center or down spread with 0.25% resolution</li> </ul>	SOT23-6L MSOP-8L SOP-8L

For additional information on PicoEMI product family, or to request evaluation samples, demo boards, and Gerber files for optimum placement of PicoEMI, please visit [<http://www.phaselink.com/>].

## Pricing and Availability

The PicoEMI is currently available in **GREEN**/RoHS compliant SOT23 and SOP-8 packages and is priced at \$0.48 in moderate quantities.

## About PhaseLink Corporation

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), SMART-BYTE™ Programmable clock chip, etc., PhaseLink offers one of the broadest IC product lines in the industry (XO, VCXO, AFM, PhasorV, EMI reduction, programmable, Video, and LAN clocks).

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