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High Performance Frequency Synthesizer System with Integrated VCO

(ACTIVE) LMX25312080EVAL

Description & Features

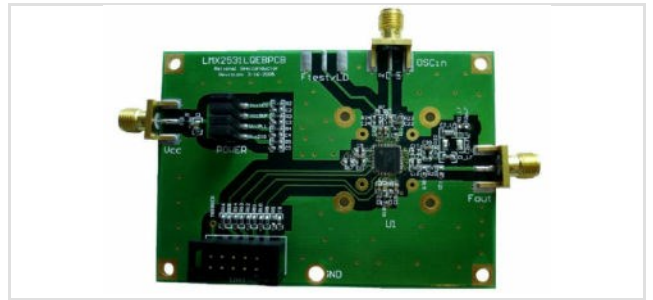
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Description

The LMX2531 is a low power, high performance frequency synthesizer system which includes a fully integrated delta-sigma PLL and VCO with fully integrated tank circuit. The third and fourth poles are also integrated and also adjustable. Also included are integrated ultra-low noise and high precision LDOs for the PLL and VCO which give higher supply noise immunity and also more consistent performance. The LMX2531 Evaluation Board simplifies evaluation of the LMX2531 PLL/VCO synthesizer system. The board enables all performance measurements with no additional support circuitry. The evaluation board consists of a LMX2531 device, and a cable assembly. The cable assembly is bundled with the evaluation board for connecting to a PC through the parallel printer port. By means of MICROWIRE™ serial port emulation, the CodeLoader software included can be run on a PC to facilitate the LMX2531 internal register programming for the evaluation and measurement. In addition to this cable assembly, there is a microwire buffer board that ensures that the proper voltage levels are provided to the microwire inputs and also this reduces digital noise from computers through the parallel port.



Features

Frequency Range

- Low Band 952 - 1137 MHz
- High Band 1904 - 2274 MHz

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Technical Documents

User Guides (1)

Title	Abstract	Type	Size (KB)	Date	Views
 LMX2531LQ2080E Evaluation Board Operating Instructions		PDF	940	27 Jan 2012	65


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TI Devices (1)

Part Number	Name	Product Family
LMX2531	High Performance Frequency Synthesizer System with Integrated VCO	Clock and Timing

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