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# MaxLinear Introduces the MxL661, Its Latest Generation of Global Hybrid TV Tuner

CARLSBAD, Calif.--(BUSINESS WIRE)-- MaxLinear Inc. (NYSE:MXL), [a leading provider of integrated radio frequency \(RF\) and mixed-signal integrated circuits](#) for broadband communications applications, today introduced the MxL661, a software-programmable, low power, global hybrid television tuner.

The MxL661 is based on MaxLinear's "Super Radio" technology that offers exceptional reception performance, silicon integration and power consumption.

New features in the MxL661 include software programmable radio frequency (RF) to intermediate frequency (IF) delay, which is required in some Chinese cable TV systems, and further improvements for balun-less implementations which eliminates the need for this discrete component in cost-sensitive designs.

The MxL661 is hardware and software compatible with MaxLinear's existing MxL601. Customers that use the MxL601 can easily migrate their designs to MxL661 without any software or board layout changes. The new features of the MxL661 can be implemented by adding a few simple programming commands to existing software drivers.

"The MxL661 gives customers the performance, low power, features and cost benefits to meet the evolving needs of the TV market without requiring significant overhaul of their system design," said Brian Sprague, Vice President and General Manager, Broadband and Consumer Products at MaxLinear. "We're pleased with the positive reception of MxL661 by our SoC partners and global customers. The MxL661 enables a seamless transition from our existing devices and will eliminate the cost typically associated with a re-design or system upgrade. All of this is built on our patented CMOS technology."

## Technical Highlights

The MxL661 delivers exceptional performance for all global analog and digital television reception standards in cable and terrestrial reception environments. It offers market-leading, low power consumption of 350 mW in typical applications. The very low power consumption and compact 4 x 4 mm footprint in a standard 24pin QFN package make it possible for customers to design ultra-small form factors and to support multi-tuner applications.

The software-configurable MxL661 allows manufacturers to design a common front-end for all global broadcast standards. Supported standards include: PAL, SECAM, NTSC, DVB-T/T2, ISDB-T, ISDB-Tmm, ATSC, ATSC M/H, DTMB, ITU-T J.83 Annex A (DVB-C) / B (US

Cable) / C (Japan).

## **Availability**

MaxLinear's MxL661 sixth-generation CMOS tuner IC is now sampling. Mass production is scheduled to start in the third quarter of 2013. Application notes for implementation of a balun-less solution are available upon request.

## **About MaxLinear, Inc.**

MaxLinear, Inc. is a leading provider of radio-frequency and mixed-signal semiconductor solutions for broadband communications applications. MaxLinear is located in Carlsbad, California, and its address on the Internet is [www.maxlinear.com](http://www.maxlinear.com).

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## **Cautionary Note About Forward-Looking Statements**

This press release contains "forward-looking" statements within the meaning of federal securities laws. Forward-looking statements include, among others, statements concerning or implying future financial performance or trends and growth opportunities affecting MaxLinear, in particular statements relating to the introduction of the MxL661 television tuner. These forward-looking statements involve known and unknown risks, uncertainties, and other factors that may cause actual results to differ materially from any future results expressed or implied by these forward-looking statements. We cannot predict whether or to what extent we will realize revenues from the MxL661. Forward-looking statements are based on management's current, preliminary expectations and are subject to various risks and uncertainties, including (among others) intense competition in our industry; the ability of our customers to cancel or reduce orders; uncertainties concerning how end user markets for our products will develop; our lack of long-term supply contracts and dependence on limited sources of supply; potential decreases in average selling prices for our products; and on-going intellectual property litigation related to our hybrid television tuner products. In addition to these risks and uncertainties, investors should review the risks and uncertainties contained in MaxLinear's filings with the United States Securities and Exchange Commission (SEC), including risks and uncertainties identified in our Quarterly Report on Form 10-Q for the quarter ended March 31, 2013. All forward-looking statements are qualified in their entirety by this cautionary statement. MaxLinear is providing this information as of the date of this release and does not undertake any obligation to update any forward-looking statements contained in this release as a result of new information, future events, or otherwise.

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