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MaxLinear Announces MxL703RM, Its Third Generation Silicon Tuner for Mobile TV Applications

MxL703RM Measures Just 1.57mm x 1.57mm; Power Consumption Cut by 30%

CARLSBAD, CA -- (MARKET WIRE) -- 09/01/09 -- [MaxLinear Inc.](#), a fabless semiconductor company developing all complementary metal-oxide-semiconductor (CMOS) broadband radio-frequency (RF) & mixed-signal integrated circuit (IC) solutions for consumer markets, today announced the next-generation of TV tuner for mobile applications, the MxL703RM, one of the world's smallest silicon TV tuner products.

The MxL703RM is aimed at ISDB-T 1-segment applications for mobile TV reception in Japan and Brazil. Measuring only 1.57mm x 1.57mm in dimension, the MxL703RM surpasses its predecessors, MaxLinear's [MxL7001](#)/MxL7002, which were amongst the smallest silicon tuners available for the mobile TV market. Using a standard CMOS process technology, the MxL703RM consumes less than 50 mW of power, increasing battery time and minimizing heat dissipation -- two very important criteria for mobile TV applications.

With its extremely small size, low power and superior performance, the MxL703RM represents a 35% reduction in chip size and nearly 30% reduction in power usage when compared to the MxL7001/ MxL7002, which are amongst the most successful mobile TV tuners on the market. The MxL703RM also provides improved performance in several critical areas like noise figure, blocker performance and maximum input power handling capability.

The highly integrated MxL703RM eliminates the need for an external low noise amplifier (LNA) and an intermediate frequency (IF) amplifier, which reduces both board footprint and BOM costs. The MxL703RM can be used for portable and mobile applications including mobile phones, personal navigation devices, PCTV and automotive applications.

"We believe the introduction of the MxL703RM underscores MaxLinear's market leadership position and further demonstrates our continued commitment to innovate and excel in the mobile TV market," said Kishore Seendripu, MaxLinear CEO. "The small size, low power and high performance of the MxL703RM should enable our customers to continue innovating in an otherwise commoditized market."

The MxL703RM also includes MaxLinear's proprietary DigIQ digital IF interface, a tuner to demodulator digital interface that eliminates the need for an analog to digital converter (ADC) in the demodulator. Implementing the digital interface into the MxL703RM tuner allows for a reduction in cost and complexity when used with demodulators that support DigIQ.

The MxL703RM is in production and available to ship in quantity.

About MaxLinear, Inc.

MaxLinear, Inc. is a fabless IC company focusing on highly integrated analog products that incorporate proprietary mixed-signal and radio frequency signal processing techniques in standard CMOS technology. The company's technology is ideally suited for a broad range of high-volume consumer electronics applications with the strictest requirements for both power and performance, including personal computers, laptop computers, set-top-boxes, televisions, and mobile devices. MaxLinear is the first to deliver on the promise of an easy-to-use silicon solution to enable TV on any device. The company is located in Carlsbad, California with sales offices world wide. More information is at www.maxlinear.com.

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