

Fujitsu accelerates the world's fastest CMOS DAC

Submitted by: JDK Marketing Communications

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Frankfurt, 22 March 2004 - Fujitsu Microelectronics Europe (FME) today unveils a conversion rate increase from 800MSa/s to 1GSa/s for its MB86064 dual 14-bit Digital to Analogue Converter (DAC). This revised specification firmly retains the Application Specific Standard Product's (ASSP) position as the world's fastest CMOS DAC.

"The increase to 1GSa/s is key to addressing a variety of new market segments that have highlighted a 'need for speed' following the 800MSa/s launch last year," said Paul Maddox, Technical Marketing Manager at FME's Mixed Signal Division, adding that "this product is in production and available today."

The majority of customer prototyping conducted during the past year targeted operation within the preliminary 800MSa/s specification. The now higher minimum guaranteed conversion rate provides scope for the rapid evolution of those, as well as new designs to address changes in market requirements. As a consequence faster time-to-market of these systems is key to reduce development cost and risk.

Instrumental to supporting the increased data rate is Fujitsu's market leading introduction of double data rate (DDR) LVDS interfaces on high performance DACs such as the MB86064. Combined with its proprietary loop-clock facility this enables cost effective, realisable solutions when combined with either FPGA or ASIC data generators.

Completion of characterisation prior to production approval has also led to an improvement in quoted ACLR performance. The figure when generating 4 UMTS carriers at 276MHz has increased to 74dBc, using a DAC conversion rate of 737MSa/s.

Customer development kits and production devices are available today.

About Fujitsu Microelectronics Europe

Fujitsu Microelectronics Europe (FME) is a major supplier of semiconductor and display products. The company provides advanced systems solutions to the automotive, digital TV, mobile telephony, networking and industrial markets. Engineers from design centres dedicated to microcontrollers, mixed-signal, wireless, FRAM, multi-media ICs and ASIC products work closely with FME's marketing and sales teams throughout Europe to help satisfy customers' system development requirements.

This solutions approach is supported by a broad range of advanced semiconductor devices, IP and building blocks as well as leading-edge LCDs and Plasma Display Panels. For more information visit Fujitsu....ends

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