



Photo Release -- Alpha and Omega Semiconductor Introduces High Efficiency DrMOS Power Module

Versatile Synchronous Buck Power Stage Features State-of-the-Art Technology

SUNNYVALE, Calif., June 3, 2010 (GLOBE NEWSWIRE) -- [Alpha and Omega Semiconductor \(AOS\)](#) (Nasdaq:AOSL) today introduces [AOZ5006](#), a high efficiency 6mm x 6mm power module that is fully compliant with Intel's DrMOS specifications. The AOZ5006 integrates a dual gate driver and two optimized MOSFETs that together provide a high efficiency DC-DC synchronous buck power stage. The new device enables high power density voltage regulator solutions for servers, graphic cards and high-end desktop PC applications.

A photo accompanying this release is available at <http://www.globenewswire.com/newsroom/prs/?pkgid=7575>

AOZ5006 utilizes AOS' proprietary state-of-the-art Trench MOSFET technology to achieve an optimal balance between switching and conduction losses. At the same time, the product leverages AOS' advanced packaging capability to further improve efficiency and thermal performance. The resulting efficiency is over 90% up to 21A of output current in a typical 12Vin to 1.2Vout DC-DC application switching at 300KHz.

"The AOZ5006 meets the ever increasing power density requirements of high-end computing applications by reducing the solution size by two-thirds compared to discrete solutions. In addition, the parasitic inductance between the driver and MOSFETs is minimized, allowing switching frequencies to 1MHz and faster dynamic response times," said Song Qu, Director of Product Marketing for Power IC Products at AOS.

AOZ5006 works with a variety of analog and digital PWM controllers and is available in two options to support both 3.3V and 5V logic inputs.

Pricing and Availability

AOZ5006 is housed in the 40-pin 6mm x 6mm QFN package and is available immediately in production quantities. The unit price of 1,000 pieces is US\$2.85.

About AOS

Alpha and Omega Semiconductor is a designer and manufacturer of advanced [analog power management solutions](#). AOS offers a wide portfolio of [Power MOSFET](#) and [Power IC](#) products that incorporate advances in silicon device structure, integrated circuit design, and packaging technologies. AOS' broad product portfolio meets the ever increasing power efficiency requirements in high volume applications such as portable computers, flat panel TVs, battery packs, and power supplies. AOS' corporate headquarters is located in Sunnyvale, California, with regional offices in the Americas, Asia, and Europe. For more information, please visit us at www.aosmd.com.

Forward Looking Statements

This press release contains forward-looking statements that are based on current expectations, estimates, forecasts and projections of future performance based on management's judgment, beliefs, current trends, anticipated product performance, and involve risks and uncertainties that may cause actual results to differ materially from those contained in the forward-looking statements. These factors include, but are not limited to, the actual product performance in volume production, the quality and reliability of the product, our ability to achieve design wins, the general business and economic conditions, the state of semiconductor industry, and other risks as described in the Company's SEC filings, including its registration statement on Form F-1 filed on March 31, 2010, as amended, and other filings with the SEC. Although the Company believes that the expectations reflected in the forward looking statements are reasonable, it cannot guarantee future results, level of activity, performance, or achievements. You should not place undue reliance on these forward-looking statements. All information provided in this press release is as of today's date, unless otherwise stated, and AOS undertakes no duty to update such information, except as required under applicable law.

The photo is also available via AP PhotoExpress.

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<p>High Efficiency 6mm x 6mm DrMOS</p>

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