

FOR IMMEDIATE RELEASE

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Alpha and Omega Semiconductor Launches High Efficiency Low Voltage EZBuck™ DC-DC Regulator

95% Efficient 4A Synchronous Buck Regulator Powers the Latest Digital Chipsets

SUNNYVALE, Calif., September 30, 2010 – [Alpha and Omega Semiconductor \(AOS\)](#) (Nasdaq: AOSL) expands its synchronous [EZBuck™](#) portfolio with the introduction of its new low input voltage DC-DC step-down regulator. The [AOZ1110](#) efficiently converts input voltages from 2.7V to 5.5V down to 0.8V, and delivers up to 4A of output current. AOS' new EZBuck product is optimized for powering the latest DSP, FPGA, and microcontroller chipsets which are widely used in advanced networking, telecommunications and computing systems that utilize fixed 3.3V and 5V supply rails.

The AOZ1110 is designed for ease-of-use while also providing high performance and configurability. The product features a current mode PWM control architecture with a user selectable switching frequency of 500kHz or 1MHz. Additionally, the AOZ1110 is ceramic capacitor stable, and has a user programmable soft-start. Leveraging AOS' advanced packaging technology, the AOZ1110 integrates low on-resistance Trench MOSFETs that are optimized to reduce switching losses. As a result, AOZ1110 runs cool and achieves efficiencies up to 95%.

“The AOZ1110 provides designers with a compact solution for point of load DC-DC conversion. Its high efficiency operation allows designers to meet their power consumption budgets, while its ease-of-use and flexibility allow for faster design times and time to market,” said Alan Moore, Manager of Power IC Marketing at AOS.

Pricing and Availability

The AOZ1110 is housed in a 4mm x 4mm 24-pin QFN package. The product is available immediately with a unit price of US\$1.95 for 1,000 piece quantities.

About AOS

Alpha and Omega Semiconductor Limited, or AOS, is a designer, developer and global supplier of a broad range of power semiconductors, including a wide portfolio of [Power MOSFET](#) and [Power IC](#) products. AOS seeks to differentiate itself by integrating its expertise in device physics, process technology, design and advanced packaging to optimize product performance and cost, and its product portfolio is designed to meet the ever increasing power efficiency requirements in high volume applications, including portable computers, flat panel TVs, battery packs, portable media players and power supplies. For more information, please visit 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. These forward-looking statements include, without limitation, references to the efficiency and capability of new products. Forward looking statements 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 annual report on Form 20-F and other filings with the U.S. Securities and Exchange Commission. 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.

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