

**FOR IMMEDIATE RELEASE**

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## **Alpha and Omega Semiconductor Debuts Highly Integrated Power ICs for Next Generation Computing Platforms**

*...proprietary COT architecture enables low ripple operation with small ceramic output capacitors,  
offers ultra-fast transient response*

**SUNNYVALE, Calif., Oct. 24, 2012** – [Alpha and Omega Semiconductor Limited](#) (AOS) (Nasdaq: AOSL), a designer, developer and global supplier of a broad range of power semiconductors, today announced the release of [AOZ1232-01](#) and [AOZ1233-01](#), high efficiency, easy-to-use synchronous EZBuck™ regulators featuring a proprietary Constant On-Time (COT) control architecture that enables smaller solutions and simplifies designs. The new products provide an optimal solution for next generation computing chipsets that are pushing the limits of DC/DC converter size. The AOZ1232-01 and AOZ1233-01 are ideally suited for the latest notebook PCs, ultrabooks, graphics cards, servers, data storage systems, and high-end smart TVs.

As next generation digital chipsets offer higher performance while reducing their power consumption; system designers are utilizing this benefit by shrinking printed circuit board (pcb) areas and total system size. Power supplies that were traditionally using DC/DC controller ICs with external MOSFETs are now requiring more integrated solutions to fit within the smaller pcb area. AOS's low on-resistance MOSFET technology combined with advanced packaging technology enables high performance DC/DC regulators in small package sizes. The AOZ1232-01 and AOZ1233-01 provide 6A and 8A of continuous output current, respectively, in a 5x5mm QFN package, while operating over a wide input voltage range of 2.7V to 28V. The proprietary COT architecture provides ultra-fast load transient response performance and allows stable and low voltage ripple operation with small size ceramic capacitors. Competing solutions require several external components when using all ceramic capacitors and need to generate a larger output ripple voltage to stabilize the circuit. Additionally, the input feed forward feature of AOZ123x provides a constant switching frequency over the entire input voltage range – which further alleviates noise concerns for designers.

“The AOZ1232-01 and AOZ1233-01 were designed for high performance and ease of use for next generation computing platforms. AOS's proprietary COT control architecture in conjunction with its scalable MOSFET and packaging technologies helps our customers meet their goal of developing efficient and high power density solutions with a fast time to market. This initial product offering is the first in a whole family of new solutions to come.” said Daniel Chang, Vice President of Power IC at AOS.

### **Pricing and Availability**

The AOZ1232-01 and AOZ1233-01 are immediately available in production quantities. The unit price for 1,000 pieces is \$3.23 and \$3.75, respectively.

**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](#), [IGBT](#) and [Power IC](#) products. AOS has developed extensive intellectual property and technical knowledge that encompasses the latest advancements in the power semiconductor industry. AOS differentiates itself by integrating its Discrete and IC semiconductor process technology, product design, and advanced packaging know-how to develop high performance power management solutions. AOS's portfolio of products targets high-volume applications, including portable computers, flat panel TVs, LED lighting, smart phones, battery packs, consumer and industrial motor controls and power supplies for TVs, computers, servers and telecommunications equipment. For more information, please visit [www.aosmd.com](http://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 and anticipated product performance. These forward-looking statements include, without limitation, references to the efficiency and capability of new products, and the potential to expand into new markets. 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 the semiconductor industry, and other risks as described in the Company's annual report 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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