

FOR IMMEDIATE RELEASE

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Alpha and Omega Semiconductor Introduces 26V Simple-to-Use 1.5MHz Buck Regulators

Featuring wide input voltage range, high switching frequency and small footprint

SUNNYVALE, Calif., Aug. 9, 2011 – [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 the [AOZ1280](#) and [AOZ1281](#) high efficiency, simple-to-use, 1.5MHz PWM buck regulators. The AOZ1280 is available in the industry standard SOT23 package while the AOZ1281 comes in the small size DFN 2x2mm package, providing output current of 1.2A and 1.8A, respectively. These new devices are well suited for a variety of networking and communications applications such as routers, wireless access points, DSL modems, cable modems and set top boxes.

The internal MOSFET of AOZ1280/1 offers a very low on-resistance of 240mOhms, which is approximately 20% lower than the current leading competitor. The lower on-resistance switch allows higher efficiency which reduces the heat generated and transferred to the system. Internal compensation, along with a high 1.5MHz switching frequency, reduces the size and number of external components. These attributes allow system designers to meet their power budget while reducing overall system size and complexity.

“These new products allow us to meet the ever increasing demand for high efficiency, small footprint, and easy to use power converters for designs that operate from of a wide range of DC input voltages.” said Song Qu, Director of Power IC Product Marketing at AOS.

Technical Highlights

- Input Voltage Range: 3V to 26V
- Internal MOSFET On-Resistance: 240mOhms
- Output current: 1.2A (AOZ1280), 1.8A (AOZ1281)
- Switching Frequency: 1.5MHz
- Packages: SOT23-6 (AOZ1280), 2x2 DFN-8 (AOZ1281)

Pricing and Availability

AOZ1280 and AOZ1281 are immediately available in production quantities. The unit prices for 1,000 pieces are \$0.68 and \$0.80, 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](#) 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, smart phones, portable media players, UPS, motor control 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 and anticipated product performance. These forward-looking statements include, without limitation, references to the efficiency, capability and application 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 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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