Alpha and Omega Semiconductor
475 Oakmead Parkway, Sunnyvale, California 94085 USA

FOR IMMEDIATE RELEASE

Media Contact: Martha Aparicio
Tel: 408.789.3233
Email: martha.aparicio@aosmd.com

Alpha and Omega Semiconductor Continues to Expand its EZBuck™ Product Portfolio

New buck regulators feature high efficiency, ease of use and a thermally enhanced package

SUNNYVALE, Calif., Sept. 28, 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 AOZ1050 and AOZ1051 high efficiency, simple-to-use synchronous buck regulators. Both AOZ1050 and AOZ1051 are available in a thermally enhanced exposed pad SO-8 package, delivering output current of 2A and 3A, respectively. These new devices are well suited for a variety of consumer electronics applications such as LCD TV, set-top-boxes, DVD players and recorders.

The low on-resistance of internal power MOSFETs in these devices allows higher efficiency and less heat generation. The full load efficiency of AOZ1051 is 7% higher and IC surface temperature is almost 40°C lower than that of the leading competitor. Adjustable soft-start time provides system designers with flexibility for power-up sequencing. Cycle-by-cycle current limiting combined with unique hiccup short-circuit protection ensure reliable operation under any abnormal conditions.

"We continue to expand our EZ Buck product portfolio to provide our customers with higher efficiency and more reliable DC/DC solutions. The AOZ1050 and AOZ1051 are a good example." said Song Qu, Director of Power IC Product Marketing at AOS.

Technical Highlights

- Input Voltage Range: 4.5V to 18V
- High-Side MOSFET On-Resistance: 80mΩ (AOZ1050), 70mΩ (AOZ1051)
- Low-Side MOSFET On-Resistance: 50mΩ (AOZ1050), 40mΩ (AOZ1051)
- Output Current: 2A (AOZ1050), 3A (AOZ1051)
- Switching Frequency: 500kHz
- Soft-start Time: Adjustable
- Package: Exposed Pad SO-8

Pricing and Availability

AOZ1050 and AOZ1051 are immediately available in production quantities. The unit prices for 1,000 pieces are $0.66 and $0.72, 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 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.

# # #