

**FOR IMMEDIATE RELEASE**

Media Contact: Martha Aparicio  
Tel: 408.789.3233  
Email: [martha.aparicio@aosmd.com](mailto:martha.aparicio@aosmd.com)

## Alpha and Omega Semiconductor Launches EZBuck™ with Enhanced Light Load Operation

SUNNYVALE, Calif., March 19, 2013 – [Alpha and Omega Semiconductor Limited](http://www.aosmd.com) (AOS) (Nasdaq: AOSL), a designer, developer and global supplier of a broad range of power semiconductors and power ICs, today released the [AOZ3015](#), a 3A EZBuck DC/DC regulator optimized for applications that have a standby power mode. The AOZ3015 is ideally suited for point-of-load DC/DC converters, LCD TVs, set-top boxes, DVD and Blu-ray players/recorders and cable modems.

The AOZ3015 is a high-efficiency and easy-to-use synchronous PWM buck regulator with an input voltage range of 4.5V to 18V. It provides 3A of continuous output current at over 90% efficiency and maintains 85% efficiency while in 10mA light load operation. When operating in low output current conditions, the AOZ3015 will operate in a proprietary pulse energy mode (PEM) to obtain high efficiency. Under heavy load steady-state conditions, the AOZ3015 will operate in fixed frequency and Continuous-Conduction Mode (CCM).

“AOS’s proprietary EZBuck technology helps bring our customers compact and high efficiency DC/DC solutions that we can scale to their power requirements.” said Dr. Yenju Wang, Product Marketing Director at AOS. “The high-efficiency light load operation feature AOZ3015 makes it an ideal for those power supplies with a stand-by mode mandated by many government agencies worldwide.”

### Technical Highlights

Input Voltage Range:	4.5V to 18V
MOSFET On-Resistance (typ):	High-side (85mOhms) Low-side (50mOhms)
Switching Frequency:	500KHz
Package:	E-Pad SO-8
Efficiency at 10mA (12V to 5V):	85%
Efficiency at 3A (12V to 5V):	92%

### Pricing and Availability

The AOZ3015 is immediately available in production quantities with a lead-time of 12 weeks. The unit price for 1,000 pieces is \$0.80.

## **About AOS**

Alpha and Omega Semiconductor Limited, or [AOS](http://www.aosmd.com), 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, which enables us to introduce innovative products to address the increasingly complex power requirements of advanced electronics. 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.

###