

FOR IMMEDIATE RELEASE

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

Alpha and Omega Semiconductor Launches New Generation EZBuck™ Regulator in a Thermally Enhanced Package

SUNNYVALE, Calif., Nov. 6, 2014 – [Alpha and Omega Semiconductor Limited](#) (AOS) (Nasdaq: AOSL), a designer, developer and global supplier of a broad range of power semiconductors and power ICs, today announced the release of the fifth generation EZBuck™ with the [AOZ3103](#), a high efficiency, simple-to-use synchronous buck regulator, with an operating input voltage range from 4.5V to 18V and the ability to supply 3A of continuous current. The device offers a low on-resistance power stage in a thermally enhanced 3mm x 3mm DFN package, allowing cooler power conversion for a variety of consumer electronics applications such as LCD TVs, set-top-boxes, as well as DVD players and recorders.

The AOZ3103 is a current-mode step-down regulator with integrated high-side and low-side NMOS switches. The device features external compensation for added design flexibility, and to improve performance in low duty cycle applications. Compared to the leading competitor, the AOZ3103's input voltage rating is 2V higher and its feedback tolerance is 0.5% tighter, which allows for greater safety design margin as well as a higher degree of output voltage accuracy. The device also features a Power-On Reset (POR), input under-voltage lockout and output over-voltage protection.

“The AOZ3103 provides an ideal 3A DC-DC buck regulator solution for a wide variety of space-constrained applications.” said Kenny Hu, Power IC Product Marketing at AOS. “It’s wider safety margin, cooler operation, and higher output voltage accuracy helps to simplify the system power design for our customers.”

Technical Highlights

Input Range:	4.5V to 18V
FET On-resistance (typ):	High-side (80mOhms) Low-side (30mOhms)
Switching Frequency:	500KHz
Package:	DFN3x3-8L
Compensation:	External
Feedback Tolerance:	+/- 1.5%

Pricing and Availability

The AOZ3103 is immediately available in production quantities with a lead-time of 12 weeks. The unit price of 1,000 pieces is \$1.00.

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.

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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