

**FOR IMMEDIATE RELEASE**

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## **Alpha and Omega Semiconductor Offers New Buck LED Controller IC for High Efficiency and Robust Lighting Solutions**

**SUNNYVALE, Calif., March 19, 2013** – [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 released the [AOZ1948](#), a single channel buck LED controller which features LED dimming resolution with full linearity from 100% to 1%, in addition to added integrated circuit protection capabilities for improved system solution robustness and reliability. The device is able to support VIN levels from 9V to 500V which makes it ideally suited for AC/DC lighting applications such as general lighting for commercial and industrial environments, and backlighting for next generation LED TVs.

The AOZ1948 combines key performance and device safety features for improved solution reliability and robustness. The device's current control method provides a best-in-class LED current regulation of better than 2% and supports duty cycles up to 90%. In addition, the AOZ1948 integrates many fault detection and safety features such as over-current protection, auto-restart OCP, thermal overload, and high voltage sensing and adjustable fault timer.

"I am excited about the market prospect for the AOZ1948, our first step-down LED controller IC for advanced lighting solutions," said Wayne Eng, Director of Product Marketing at AOS. "The buck topology in LED backlighting solutions offers our customers improved overall solution cost with reduced component count and smaller footprint on the PCB."

### **Pricing and Availability**

The AOZ1948 is immediately available in production quantities with a lead-time of 12 weeks. The unit price for 10,000 pieces is \$0.29.

### **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, 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.

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