

FOR IMMEDIATE RELEASE

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Alpha and Omega Semiconductor Enhances the EZPower™ Smart Load Switch Portfolio with Rapid Turn-Off Fault Protection and Current Monitoring

SUNNYVALE, Calif., Aug. 7, 2014 – [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 introduced the AOZ1363, a high current smart load switch with rapid turn-off fault protection and current monitoring. The device has an operating input voltage range from 5V to 16V and is capable of supplying up to 6A of continuous current. A low on-resistance of 23mΩ in a thermally enhanced 3mm x 3mm DFN package makes the AOZ1363 optimal for space-constrained applications that require circuit protection such as the latest notebook PCs, hot swap supplies and micro servers.

The AOZ1363 integrates several smart functions to safely and effectively manage, and monitor loads. The device features an internal current limiting circuit, which protects the system from sourcing excessive load currents, in conjunction with a thermal protection function that limits excessive power dissipation. Externally programmable soft-start circuitry controls inrush current from highly capacitive loads during hot-plug events. The device can communicate load information in real time through the current monitoring pin (ISEN) with an accuracy window of 10% at a specified load current of 3A. The AOZ1363 can detect over-current fault conditions and execute a rapid power-down within a delay time of 100ns maximum. It also features an input overvoltage protection which allows the device to power-down when the power input voltage exceeds 19V. Efficiency is not sacrificed as the AOZ1363 features a low quiescent current of 400μA that can be further reduced to less than 10μA in shutdown mode.

“The combination of smart functions, wider input voltage range, low on-resistance, and a thermally enhanced compact DFN package enables the AOZ1363 to achieve exceptional performance, making it a distinctive and ideal load switch for a variety of space-constrained applications” said Daniel Chang, Vice President of the Power IC Product Line at AOS.

Pricing and Availability

The AOZ1363 is immediately available in production quantities with a lead-time of 12 weeks. The unit price of 1,000 pieces is \$3.75.

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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