

FOR IMMEDIATE RELEASE

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Alpha and Omega Semiconductor Announces Next Generation Low-Voltage MOSFET Technology

Gen5 technology puts forward an impressive 56% improvement compared to the previous generation

SUNNYVALE, Calif., Aug. 9, 2011 – [Alpha and Omega Semiconductor Limited](#) (AOS) (Nasdaq: AOSL), a designer, developer and global supplier of a broad range of power semiconductors, today unveiled Gen5, a high performance Trench MOSFET silicon technology that addresses the demanding DC/DC requirements in the Computing and Consumer applications.

The new Gen5 MOSFET technology minimizes conduction and switching losses, as well as switch node ringing in synchronous buck DC/DC converters. Some of the improved key figures of merit (FOMs) compared to the previous generation technology are:

- 48% FOM improvement of on-resistance times total gate charge ($R_{ds} * Q_g$)
- 56% FOM improvement of on-resistance times drain-to-gate charge ($R_{ds} * Q_{gd}$)

“The new Gen5 technology optimizes the critical MOSFET parameters providing a best-in-class platform for our new low voltage MOSFET products that will deliver excellent performance and ease of design to our customers.” said Yalcin Bulut, Vice President of Low Voltage and Medium Voltage Product Lines at AOS.

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, capability and application of new products. 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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