

FOR IMMEDIATE RELEASE

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Alpha and Omega Semiconductor's New 30V Power MOSFET Slashes Conduction Losses

Device features best-in-class on-resistance of 0.95mOhm (max) in DFN5x6 package

SUNNYVALE, Calif., June 6, 2012 – [Alpha and Omega Semiconductor Limited](#) (AOS) (Nasdaq: AOSL), a designer, developer and global supplier of a broad range of power semiconductors, today announced the release of the [AON6500](#), a sub-milliohm, energy efficient, 30V n-channel Power MOSFET housed in a DFN 5mm x 6mm package. This new device enables high performance power switching in demanding industrial motor control and advanced power supply applications. Its ultra-low on-resistance of 0.95mOhm at 10V_{GS} makes it an ideal solution for DC/DC conversion, OR'ing MOSFET, and E-fuse safety switching functions required in high end computing, telecom and point-of-load power supply applications.

The AON6500 employs AOS' proprietary AlphaMOS™ (αMOS™) 30V technology, which improves R_{DS(ON)} by 40% compared to the previous generation – which significantly reduces power losses in applications. The high performance offered in the compact DFN 5x6 package provides designers the flexibility to optimize performance, space, and cost in their power systems.

“The AlphaMOS 30V technology enables higher power density and performance in advanced power systems, allowing designers to reduce power losses in demanding applications.” said Peter Wilson, Director of Low Voltage MOSFETs at AOS.

AON6500 is in halogen-free DFN5x6 package and is 100% UIS and Rg tested.

Device Specification Table

Part Number	V _{DS} (V)	V _{GS} (V)	R _{DS(ON)MAX} @ 10V (mOhms)	R _{DS(ON)MAX} @ 4.5V (mOhms)	Q _g (typ) (nC)	I _D @ T _A = 25°C (A)	I _D @ T _A = 100°C (A)
AON6500	30	±20	0.95	1.3	48	200	125

Pricing and Availability

The AON6500 is immediately available in production quantities with a lead-time of 12 weeks. The unit price for 1,000 pieces is \$0.70.

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 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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