

FOR IMMEDIATE RELEASE

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Alpha and Omega Semiconductor's Industry's Best 8V Power MOSFETs Lower Power Consumption and Extend Battery Life

Featuring ultra-low on-resistance rated at 1.2V_{GS} in small, ultra-thin DFN2x2 package

SUNNYVALE, Calif., July 25, 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 addition of the first 8V devices to its Low Voltage Power MOSFET product line. The [AON2400](#) and [AON2401](#) feature ultra-low on-resistance rated at 1.2V_{GS} to extend battery life in low voltage applications. The combined benefits of longer battery life and compact form factor make these new devices ideal for space-constrained portable applications such as smart phones, tablet PCs, UltraBook computers, eReaders, digital cameras and portable music players.

The AON2400 and AON2401 are the best-in-class 8V devices available in the market today. They are housed in a thermally enhanced DFN2x2 power package and are available in N-Channel and P-Channel versions, respectively. The ultra-low on-resistance is guaranteed down to very low gate rating of V_{GS} = 1.2V, which helps designers to simplify drive circuitry, lower power consumption and improve battery life. The compact footprint (2mm x 2mm) and ultra-thin (0.6 mm) profile of the thermally enhanced DFN2x2 enables more efficient solutions in space-constrained applications.

“These new 1.2V_{GS} rated MOSFETs utilize AOS’ proprietary AlphaMOS™ (αMOS™) technology, which adds exceptional performance for load and battery switches in portable applications.” said Peter Wilson, Director of Low Voltage MOSFETs at AOS.

Both devices are available in the halogen-free DFN2x2 package.

Device Specification Table

Product	BV _{DSS} (V)	V _{GS} (V)	R _{DS(ON)MAX} @ 2.5V _{GS} (mOhms)	R _{DS(ON)MAX} @ 1.8V _{GS} (mOhms)	R _{DS(ON)MAX} @ 1.5V _{GS} (mOhms)	R _{DS(ON)MAX} @ 1.2V _{GS} (mOhms)
AON2400	8	±5	11	13	16	23
AON2401	-8	±5	22	28	36	53

Pricing and Availability

The AON2400 and AON2401 are immediately available in production quantities with a lead-time of 12 weeks. The unit price for 1,000 pieces is \$0.27.

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. 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 on Form 20-F 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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