



## Photo Release -- Alpha and Omega Semiconductor Offers New Solutions for the Ultra-Portable Market

### New MOSFETs in DFN 2x2 Package Offer Significant Space Savings Without Compromising Performance

SUNNYVALE, Calif., April 3, 2012 (GLOBE NEWSWIRE) -- [Alpha and Omega Semiconductor Limited](#) (AOS) (Nasdaq:AOSL), a designer, developer and global supplier of a broad range of power semiconductors for the wireless portable market, today introduced a series of new solutions in a DFN 2mm x 2mm package. This broad portfolio of new products offers exceptional performance while enabling affordable form factor solutions used in hand held applications.

A photo accompanying this release is available at <http://www.globenewswire.com/newsroom/prs/?pkgid=12271>

The ultra small package is optimized for portable wireless solutions such as in tablet PCs, eReaders, smart phones, digital cameras, MP3 players, and ultrabook computers. The ultra low on-resistance of these MOSFETs reduces conduction losses which translate into lower power consumption and longer battery life. The compact footprint and ultra-thin 0.6 mm profile of the DFN2x2 power package enables more efficient solutions in space constrained applications.

[AON2410](#), [AON2409](#), [AON2408](#), [AON2407](#), and AON2406 are the *best-in-class* 20V and 30V devices on the market today in a DFN2x2 package and are used for load and battery switches in portable applications.

AON2403, [AON2405](#), and AON2406 provide ultra low on-resistance values down to guaranteed spec at 1.5V rating helping the designers to drive their circuit with lower supply voltage, which in turn lowers the power consumption and improves battery life.

"These new DFN2x2 power package solutions which utilize AlphaMOS™ Low Voltage technology offer exceptional performance and make affordable form factor solutions for the wireless mobile market a possibility," said Peter Wilson, Director of Low Voltage MOSFETs at AOS.

#### Device Specification Table and Pricing <sup>(1)</sup>

The DFN2x2 products are available immediately with specification information as follows:

Product	CH	BV <sub>DSS</sub> (V)	VGS (V)	R <sub>DS(ON)max</sub> @10VGS (mOhms)	R <sub>DS(ON)max</sub> @4.5VGS (mOhms)	R <sub>DS(ON)max</sub> @2.5VGS (mOhms)	R <sub>DS(ON)max</sub> @1.8VGS (mOhms)	R <sub>DS(ON)max</sub> @1.5VGS (mOhms)
AON2403 <sup>(2)</sup>	P	-12	±8	--	18	24	35	54
AON2405	P	-20	±8	--	32	41	56	70
AON2407	P	-30	±12	37.5	46	70	--	--
AON2409	P	-30	±20	32	53	--	--	--
AON2406 <sup>(2)</sup>	N	20	±8	--	17	20	23	36
AON2408	N	20	±12	--	14.5	19	29	--
AON2410	N	30	±12	--	21	28	--	--

#### Notes:

1. Please contact AOS or your local representative for pricing.
2. Please contact AOS or your local representative for availability.

#### 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](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, 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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