

**FOR IMMEDIATE RELEASE**

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## Alpha & Omega Semiconductor Introduces PairFET™ High Density Power Stage Products

**SUNNYVALE, Calif., April 28, 2011** – [Alpha and Omega Semiconductor Limited](#) (AOS) (Nasdaq: AOSL), a designer, developer and global supplier of a broad range of power semiconductors, announced today the release of high power density 25V and 30V PairFET™ products in both DFN 5x6 and DFN 3.3x3.3 package (integrated High-Side and Low-Side MOSFETs in one package). This new product family provides compact and efficient DC-DC solutions in notebook PCs, desktop PCs, all-in-one PCs, graphic cards, servers, and networking point-of-load (POL) converters.

The flagship product of the PairFET family is [AON6924](#) which delivers up to 30A of output current from a single DFN 5x6 power package. The AON6924 replaces two DFN 5x6 MOSFETs with a single package, which saves more than 50% board space and simplifies PCB layout.

“The AON6924 PairFET offers significant advantages over existing discrete solutions by shrinking solution size and by increasing system power efficiency. This enables design engineers to meet their design objectives of delivering high power density DC-DC synchronous buck converter solutions,” said Peter Wilson, Director of Low Voltage MOSFETs at AOS.

### Technical Highlights

- High power efficiency in DFN 5x6 asymmetric dual power package
- Ultra low  $R_{DS(ON)}$  1.6 mOhms (max) at  $V_{GS} = 10V$  for low-side MOSFET with integrated Schottky diode
- Switching optimized 5.2 mOhms max at  $V_{GS} = 10V$  for high-side MOSFET

### Pricing and Availability

The PairFET products are available immediately in production quantities. The table below shows specifications and pricing.

Product	Package	$BV_{DSS}$ (V)	High-Side $R_{DS(ON)max}$ @10V <sub>GS</sub> (mOhms)	Low-Side $R_{DS(ON)max}$ @10V <sub>GS</sub> (mOhms)	Price per 1,000 units (US\$)
AON6922	DFN 5x6	25	3.8	1.4	1.32
AON6924	DFN 5x6	30	5.2	1.6	1.35
AON6920	DFN 5x6	30	5.2	1.8	1.20
AON6908A	DFN 5x6	30	8.9	3.6	1.00
AON6910A	DFN 5x6	30	14.0	4.1	0.63
AON6912A	DFN 5x6	30	13.7	7.3	0.80
AON6926	DFN 5x6	30	11.0	8.5	0.90
AON6906A	DFN 5x6	30	14.4	11.7	0.45
AON7900	DFN 3.3x3.3	30	21.0	6.7	0.81
AON7902	DFN 3.3x3.3	30	21.0	6.4	1.05

**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](#) 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 <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 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 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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