

**FOR IMMEDIATE RELEASE**

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## Alpha and Omega Semiconductor Introduces Best-In-Class Power MOSFETs for Portable Applications

*The new devices feature industry lowest on-resistance in an ultra-thin DFN 3x3 power package*

SUNNYVALE, Calif., Nov. 9, 2011 – [Alpha and Omega Semiconductor Limited](#) (AOS) (Nasdaq: AOSL), a designer, developer and global supplier of a broad range of power semiconductors, today set new standards in power density and energy efficiency for power MOSFETs in an ultra-thin (0.8 mm) DFN 3x3 package. These devices are implemented on AOS' proprietary AlphaMOS technology. The combined benefits of longer battery life and a compact form factor make these devices ideal for space-constrained portable applications such as tablet PCs, smart phones, eReaders, notebook computers, digital cameras and portable music players.

The [AON7421](#) and [AON7423](#) are best-in-class 20V P-channel devices with the lowest  $R_{DS(ON)}$  in the market of similar package types. AON7421's on-resistance value at a 2.5V gate voltage is 20% less than the closest competitive device. AON7423 is a low threshold device that operates with a gate drive as low as 1.5V, allowing efficient load switching for low voltage supply rails.

“These AlphaMOS 20V P-channel devices set a new benchmark for power density and performance for portable applications requiring long battery life,” said Peter Wilson, Director of Low Voltage MOSFETs. “AOS is committed to continually deliver efficient power solutions to its customers.”

These devices are halogen-free and 100% UIS and Rg tested.

### Device Specification Table

	$V_{DS}$	$V_{GS}$	Max. $R_{DS(ON)}$					$P_D @ T_A = 25^\circ C$	$I_D @ T_A = 25^\circ C$
			@ -10V	@ -4.5V	@ -2.5V	@ -1.8V	@ -1.5V		
AON7421	-20 V	$\pm 12$ V	4.6 m $\Omega$	5.7 m $\Omega$	8.2 m $\Omega$	—	—	6.2 W	-50 A
AON7423	-20 V	$\pm 8$ V	—	5 m $\Omega$	6.4 m $\Omega$	8 m $\Omega$	10.5 m $\Omega$	6.3 W	-50 A

### Pricing and Availability

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

**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 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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