

FOR IMMEDIATE RELEASE

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Alpha and Omega Semiconductor Now Offers Low Voltage MOSFETs in a Super-Small DFN 1.0x0.6mm for the Mobile Market

...tiny footprint MOSFETs addressing the requirements of ultra-portable applications

SUNNYVALE, Calif., Jan. 14, 2013 – [Alpha and Omega Semiconductor Limited](#) (AOS) (Nasdaq: AOSL), a designer, developer and global supplier of a broad range of power semiconductors and power ICs, today introduced a family of devices in tiny DFN 1.0mm x 0.6mm and ultra-small DFN 1.6 x 1.6mm packages to meet the small footprint requirements of portable electronics while still delivering superior performance. These MOSFETs are optimized for space-constrained portable wireless solutions such as tablet PCs, eReaders, smart phones, digital cameras, digital media players and ultrabook computers.

[AON1605](#) and [AON1606](#) are housed in a tiny DFN1.0x0.6 package, while [AON1611](#), [AON1620](#), and [AON1634](#) are offered in an ultra-small DFN1.6x1.6mm package. The ultra low on-resistance of these devices reduces conduction losses, translating into lower power consumption and longer battery life, which is essential in wireless applications. The compact footprint and ultra-thin ($\leq 0.55\text{mm}$) profile of both DFN1.6x1.6 and DFN1.0x0.6 power packages enables more efficient solutions in space-constrained applications.

“These new tiny DFN power packages utilize AlphaMOS™ technology, which enables exceptional performance and makes it possible for affordable form factor solutions for the wireless mobile market.” said Peter Wilson, Director of Low Voltage MOSFETs at AOS.

Device Specification Table

Part Number	Size (mm)	Ch.	V _{DS} (V)	V _{GS} (V)	R _{DS(ON)MAX} (mOhms)					Qg (typ) (nC)	I _D @ T _A = 25°C (A)
					@10V	@4.5 V	@2.5 V	@1.8 V	@1.5 V		
AON1605	1.0x0.6	P	-20	±8	-	710	930	1,250	-	0.75	-0.7
AON1606	1.0x0.6	N	20	±8	-	275	335	390	-	0.85	0.7
AON1611	1.6x1.6	P	-20	±8	-	58	76	98	120	7	-4
AON1620	1.6x1.6	N	12	±8	-	22	27	36	-	8	4
AON1634	1.6x1.6	N	30	±12	54	62	82	-	-	2.6	4

Pricing and Availability

All mentioned devices are immediately available in production quantities with a lead-time of 12 weeks. The unit price for 1,000 pieces ranges from \$0.08 to \$0.25, depending on the device. Please contact your local AOS sales representative for full details.

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](#), [IGBT](#) and [Power IC](#) products. AOS has developed extensive intellectual property and technical knowledge that encompasses the latest advancements in the power semiconductor industry, which enables us to introduce innovative products to address the increasingly complex power requirements of advanced electronics. AOS differentiates itself by integrating its Discrete and IC semiconductor process technology, product design, and advanced packaging know-how to develop high performance power management solutions. AOS's portfolio of products targets high-volume applications, including portable computers, flat panel TVs, LED lighting, smart phones, battery packs, consumer and industrial motor controls and power supplies for TVs, computers, servers and telecommunications equipment. 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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