

FOR IMMEDIATE RELEASE

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Alpha and Omega Semiconductor Expands its DFN2x2 Portfolio With New 40V and 60V MOSFETs

DFN2x2 small footprint delivers power density targeting space-constrained DC-DC modules

SUNNYVALE, Calif., March 29, 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 release of [AON2240](#) and [AON2260](#), the newest additions to its new 40V and 60V AlphaMOS™ (α MOS™) medium voltage portfolios. These new products are packaged in the small, ultra-thin (0.6mm) DFN 2mm x 2mm package and are well suited for a wide range of applications that include secondary side synchronous rectification in DC/DC and AC/DC converters, POL modules for telecom systems, POE networking applications, and small motors.

The 40V AON2240 and 60V AON2260 are based on AOS' proprietary AlphaMOS technology that offers the combination of very low $R_{DS(ON)}$ and fast switching characteristics. With the green DFN2x2 package, circuit designers now have more options in delivering power to space constrained applications. These devices are 100% Rg and UIS tested.

“Circuit designers are constantly optimizing space, performance and cost.” said Stephen Chang, Sr. Product Marketing Manager at AOS. “AON2240 and AON2260 provide the flexibility of the small DFN2x2 package. At the same time, these devices also deliver the benefits of low on-resistance and output capacitance to minimize power losses associated with conduction and switching.”

AON2240 Technical Highlights

- 40V N-channel MOSFET in the DFN2x2 package
- $R_{DS(ON)} < 21 \text{ m}\Omega$ at $V_{GS} = 10 \text{ V}$
- $R_{DS(ON)} < 29 \text{ m}\Omega$ at $V_{GS} = 4.5 \text{ V}$
- $C_{OSS} = 112 \text{ pF}$ (typ)
- $Q_g (4.5 \text{ V}) = 3 \text{ nC}$ (typ)

AON2260 Technical Highlights

- 60V N-channel MOSFET in the DFN2x2 package
- $R_{DS(ON)} < 44 \text{ m}\Omega$ at $V_{GS} = 10 \text{ V}$
- $R_{DS(ON)} < 53 \text{ m}\Omega$ at $V_{GS} = 4.5 \text{ V}$
- $C_{OSS} = 50 \text{ pF}$ (typ)
- $Q_g (4.5 \text{ V}) = 2.6 \text{ nC}$ (typ)

Pricing and Availability

Both AON2240 and AON2260 are immediately available in production quantities with a lead-time of 12-14 weeks. The unit price for 10,000 pieces of each device is \$0.30.

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, 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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