

FOR IMMEDIATE RELEASE

Media Contact: Martha Aparicio
Tel: 408.789.3233
Email: martha.aparicio@aosmd.com

Alpha and Omega Semiconductor Continues to Lead With its Newest High Efficiency Charger Solution

Lowest on-resistance MOSFET for synchronous rectification

SUNNYVALE, Calif., Aug. 25, 2015 – [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 announced the release of [AO4294](#), the latest addition to AOS’s family of high efficiency charging solutions. This new device is offered in an easy-to-use SO-8 package, which helps manufacturers keep the mounting cost low, while still getting the best efficiency and power dissipation possible. The AO4294 is an ideal solution for synchronous rectification in high efficiency chargers and adapters for mobile devices.

AO4294 utilizes AOS’s leading process technology to generate a very low on-resistance when working as the secondary-side rectifier of an AC/DC converter. The AO4294 is available in the standard SO-8 package, which gives lower-output power supply designers the convenience of an easy-to-use and cost-effective PCB design. Additionally, this device allows the possibility of an even smaller circuit form factor, due to extremely low switching losses.

“The ever growing application base for contemporary smart phones is driving the demand for higher battery capacity. At the same time, the ability to charge up the battery faster and more efficiently is becoming critical for smart phone users. This has led AOS to work with leading quick charger designers to provide the best performing MOSFETs for secondary-side rectification to achieve the highest efficiency.” said Lei Feng, Director of Market Development for the MOSFET product line at AOS. “As one of the best performing parts in the 100V category, the AO4294 will help our customers significantly in designing efficient charger circuits with higher reliability as the benefit of extremely low on-resistance.”

Device Specification Table

Part Number	V _{DS} (V)	V _{GS} (V)	R _{DS(ON)MAX} (mOhms)		Q _g (typ) (nC)	I _D @ T _A = 25°C (A)
			@ 10V	@ 4.5V		
AO4294	100	20	12	15.5	15	11.5

Pricing and Availability

The AO4294 is immediately available in production quantities with a lead-time of 12-14 weeks. The unit price for 1,000 pieces is \$0.60.

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.

###