

**FOR IMMEDIATE RELEASE**

Media Contact: Mina Galvan  
Tel: 408.789.3233  
Email: [mina.galvan@aosmd.com](mailto:mina.galvan@aosmd.com)

## Alpha and Omega Semiconductor Introduces New Source Down Packaging Technology

SUNNYVALE, Calif., July 16, 2019 – [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 the “Source Down” in a DFN 5x6 package in combination with a 40V Shield-Gate Technology (AlphaSGT™). AOS’ innovative flip-chip know-how achieves the Source Down capability and this packaging technology offers a very low package resistance and inductance. The AOE66410 is ideally suited in telecommunications applications for secondary rectification (SR), in half bridge configuration for BLDC motor applications, and battery management where paralleling is important.

The [AOE66410](#) (40V), has the same form factor of a standard DFN 5x6 package but the Source pad has the largest connection to the PCB. This will enable power supply designers to parallel devices more easily and have a larger thermal area to dissipate any losses. The AOE66410 has a 1mOhms max at 10Vgs with a maximum drain current of 100A at 25°C case temperature.

“Source Down can offer a significant improvement in PCB layout and simplify new parallel designs, which are suited for high-power telecommunication power supplies,” said Peter H. Wilson, Marketing Director of the MOSFET product line at AOS.

### Technical Highlights

Part Number	V <sub>DS</sub> (V)	V <sub>GS</sub> (±V)	Continuous Drain Current (A)		R <sub>DS(ON)</sub> Max (mOhms) @10V	C <sub>iss</sub> (pF)	C <sub>oss</sub> (pF)	C <sub>rss</sub> (pF)	Q <sub>g</sub> (nC)
			@25°C	@100°C					
<a href="#">AOE66410</a>	40	20	100	100	1.0	9000	1600	92	113

### Pricing and Availability

The AOE66410 is immediately available in production quantities with a lead time of 12-14 weeks. The unit price for 1,000 pieces is \$1.95.

## **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](#), [IPM](#), [TVS](#), [HVIC](#), [GaN/SiC](#), [Power IC](#) and Digital Power 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' 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](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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