

FOR IMMEDIATE RELEASE

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Email: mina.galvan@aosmd.com**Alpha and Omega Semiconductor Introduces A Second Generation of
Constant On-Time (COT) Buck Converters***An ideal solution for next generation computing platforms*

SUNNYVALE, Calif., June 8, 2016 – 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 released AOZ226X, second generation of high efficiency, easy-to-use synchronous EZBuck™ regulators featuring a proprietary Constant On-Time (COT) control architecture that enables smaller solutions and simplifies designs. The AOZ226X provides the perfect solution for next generation computing chipsets that are pushing the limits of DC/DC converter size; such as those in the latest notebook PCs, ultrabooks, graphics cards, servers, data storage systems, and high-end smart TVs.

AOZ226X uses a proprietary COT PWM control with input feed-forward and results in ultra-fast transient response while maintaining relatively constant switching frequency over the entire input voltage range. The on-time is programmed externally. This new generation is ideal for enhancing the performance of DDR and Platform Controller Hub (PCH) applications. It is capable of supplying up to 15A of continuous output current with an output voltage adjustable down to 0.6V ($\pm 1\%$).

“These new COT buck converters feature an ultra-low quiescent current (150 μ A), which can help extend battery life when the system switches to standby mode. The high density power integration of the QFN4x4 package is perfect for reducing BOM size,” said Kenny Hu, Power IC Product Marketing Manager at AOS.

Features and Highlights

- Low $R_{DS(ON)}$ Internal NFETs
- Selectable PFM Light Load Operation
- Ripple Reduction
- Power Good Output
- Integrated Bootstrap Diode
- Short-Circuit Protection
- Thermal Shutdown

Product Selection

| Part Number | Min Vin (V) | Max Vin (V) | Max Load Current (A) | Min Vout (V) | Frequency (kHz) | Soft Start | Short Recovery | Power Good | 5V Bias | Package |
|------------------------------|-------------|-------------|----------------------|--------------|-----------------|------------|----------------|------------|----------|------------|
| AOZ2260QI-10 | 2.7 | 28 | 6 | 0.8 | 1000 | External | Latch Off | Yes | Required | QFN4x4-22L |
| AOZ2260QI-15 | 2.7 | 28 | 6 | 0.8 | 1000 | External | Auto Restart | Yes | Required | QFN4x4-22L |
| AOZ2261QI-10 | 2.7 | 28 | 8 | 0.8 | 1000 | External | Latch Off | Yes | Required | QFN4x4-22L |
| AOZ2261QI-15 | 2.7 | 28 | 8 | 0.8 | 1000 | External | Auto Restart | Yes | Required | QFN4x4-22L |
| AOZ2262QI-10 | 2.7 | 28 | 10 | 0.8 | 1000 | External | Latch Off | Yes | Required | QFN4x4-22L |
| AOZ2262QI-15 | 2.7 | 28 | 10 | 0.8 | 1000 | External | Auto Restart | Yes | Required | QFN4x4-22L |
| AOZ2263QI-10 | 2.7 | 28 | 12 | 0.8 | 1000 | External | Latch Off | Yes | Required | QFN4x4-22L |
| AOZ2263QI-15 | 2.7 | 28 | 12 | 0.8 | 1000 | External | Auto Restart | Yes | Required | QFN4x4-22L |
| AOZ2264QI-10 | 2.7 | 24 | 15 | 0.6 | 1000 | External | Latch Off | Yes | Required | QFN4x4-23L |

Pricing and Availability

All devices are immediately available in production quantities with a lead-time of 12-14 weeks. The unit price for 1,000 pieces for AOZ2260-XX, AOZ2261-XX, AOZ2262-XX, AOZ2263-XX, AOZ2264-XX are \$1.96, \$2.25, \$2.70, \$3.24, and \$ 3.89, respectively.

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](#), [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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