

FOR IMMEDIATE RELEASE

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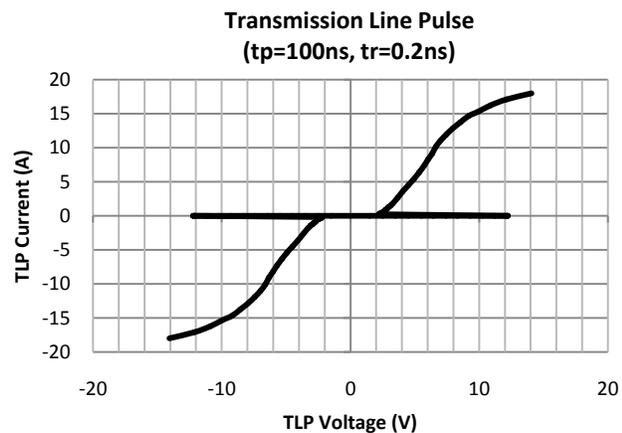
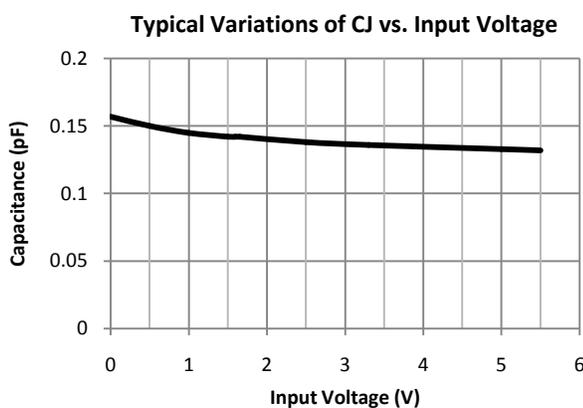
Alpha and Omega Semiconductor Announces Super Low Capacitance TVS for USB3.2 & Thunderbolt 3.0 Protection

SUNNYVALE, Calif., May 7, 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 announced the release of [AOZ8661BDT-05](#) a transient voltage suppressor (TVS) for high-speed line protection using the latest Super Low Cap TVS platform. This new device is ideal for USB Type-C applications such as notebooks and mobile devices.

With such a low capacitance of 0.15pF, AOZ8661BDT-05 is optimized for high-speed line protection including but not limited to USB3.1 Gen2, USB3.2, Thunderbolt 3.0, and avoiding the transmission error by minimizing the capacitance effect. AOZ8661BDT-05 is housed in a 0.6x0.3mm leadless Surface-Mounted Device (SMD) and perfectly suited to fit the small footprint requirement of a USB Type-C connector.

“As the leading vendor in ESD protection solution in high-speed interfaces such as USB, HDMI, and Thunderbolt, we have released a new TVS platform that provides a much better figure of merit (FOM) on the clamping voltage times capacitance. In addition to low capacitance, it is also important to have lower clamping voltage and faster response during the ESD event to protect the ESD sensitive chipset. The new platform of Super Low Cap with very low capacitance and very low clamping voltage is ideal for high-speed line protection,” said Michael K. S. Ng, Sr. Marketing Manager of TVS Product Line at AOS. “We believe the new competitive platform will contribute to reducing the ESD failure rate in our partners and customers’ electronic products.”

Technical Highlights



Pricing and Availability

The AOZ8661BDT-05 is immediately available in production quantities with a lead-time of 16 weeks. The unit price for 1,000 pieces is \$0.09.

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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](#), [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.

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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