

**FOR IMMEDIATE RELEASE**

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## Alpha & Omega Semiconductor Introduces High Output Voltage WLED Backlight Driver

### *3x3mm White LED Driver Lights Up to 12 LEDs in Series*

SUNNYVALE, Calif., January 27, 2010 – [Alpha & Omega Semiconductor, Inc. \(AOS\)](#) expands its [EZBoost™](#) family with their first white LED backlight driver, the [AOZ1950](#). The AOZ1950 is designed and optimized for providing backlighting solutions for the latest portable devices using medium-sized LCD panels such as netbooks, portable media players, and portable navigation devices.

The AOZ1950 is a high-performance current-mode [boost regulator](#) that operates from an input voltage range of 2.7V to 5.5V. Its integrated AOS Trench [MOSFET](#) boost switch allows the device to generate a regulated output voltage as high as 55V with an input switch current of 750mA. The high voltage and low on-resistance boost switch allows the AOZ1950 to power up to 12 LEDs in series. In addition, the AOZ1950 integrates several system safety features such as output over-voltage protection, a “true-off” input switch, short-circuit protection, and a cycle-by-cycle current limit.

“The AOZ1950 is an ideal LED driver solution for medium-sized LCD panels. The integrated Trench MOSFET boost switch delivers a higher output voltage than competing devices, allowing 20% more LEDs to be driven for bigger and brighter panels,” said Alan Moore, Marketing Manager for AOS’ [Power IC](#) products. “Additionally, the device’s integrated protection features allow for a more robust system design while at the same time reducing overall external component count.”

#### **Pricing and Availability**

The AOZ1950 is available in a 10-pin 3mm x 3mm DFN package and operates over the -40°C to +85°C ambient temperature range. Pricing in 1,000 piece quantities begins at US\$1.20.

#### **About AOS**

Alpha & Omega Semiconductor, Inc. is a fabless semiconductor company that develops leading-edge [analog power management solutions](#). AOS offers a wide portfolio of Power MOSFET, Power IC, [Analog Switch](#) and [Transient Voltage Suppressor](#) products that incorporate advances in device design, silicon, and packaging technologies. AOS’ products meet the ever increasing performance and power efficiency requirements in computing and consumer applications such as portable and desktop computers, digital cameras, cell phones, and LCD TVs. AOS has offices worldwide including the United States, China, Hong Kong, Taiwan, and South Korea. For more information, please visit [www.aosmd.com](http://www.aosmd.com).

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