

Power Integrations' LinkSwitch™-PH LED Driver ICs Now Available in Low-Profile Package for Fluorescent Tube Replacements

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New 2-mm package permits placement of driver board behind the LED PCB, enabling illumination along entire length of lighting tubes

SAN JOSE, Calif.--(BUSINESS WIRE)-- Power Integrations (Nasdaq: **POWI**), the world leader in high-efficiency, high-reliability LED driver ICs, today announced the availability of **LinkSwitch-PH** LED driver ICs in a low-profile **eSIP™-7F (L package)** that measures just 2 mm high. The new package targets LED-based replacements for fluorescent tubes, where very low-profile packages are required to fit into the small space available behind the LED circuit board, as well as other applications where board height is constrained.

LinkSwitch-PH devices in the 2-mm **L package** have the same thermal and electrical performance as previously released ICs in the 10 mm high eSIP-7C (E package). The new **L package** features a heat transfer tab on top of the device which is electrically quiet (source potential) so any additional heatsink does not contribute to electrical noise propagation.

Power Integrations' **LinkSwitch-PH** single-stage, primary-side controlled, LED driver ICs feature >90% efficiency and >0.9 power factor. The innovative topology eliminates the need for unreliable electrolytic bulk capacitors and opto-isolators, making the devices ideal for high-reliability industrial, commercial, and exterior solid-state lighting (SSL) applications. Suitable for designs from 4 W to 55 W, SSL driver ballasts based on **LinkSwitch-PH** ICs easily satisfy ENERGY STAR® and EN61000-3-2 class C and D requirements.

Comments Andrew Smith, product marketing manager at Power Integrations: "Competing T8 tube replacement power supplies occupy the full diameter of the tube and several inches of tube length leaving a dark patch on one

or sometimes both ends of the tube. PI's new low-profile **L package** enables the power supply to be positioned on the underside of the LED PCB, with space on the front of the panel for LEDs. This facilitates even, consistent lighting across the whole length of the tube, resulting in better aesthetics and a discernibly better light distribution."

LinkSwitch-PH samples in the **L package** are available now, priced from \$1.01 for 10,000-piece quantities. The product datasheet, reference designs, and introductory videos are available on the Power Integrations website at www.powerint.com/linkswitch-ph.

About Power Integrations

Power Integrations is the leading supplier of high-voltage integrated circuits used in energy-efficient power conversion. The company's innovative technology enables compact, energy-efficient power supplies in a wide range of electronic products, in AC-DC, DC-DC, and LED lighting applications. Since its introduction in 1998, Power Integrations' EcoSmart™ energy-efficiency technology has saved an estimated \$5 billion of standby energy waste and prevented millions of tons of CO2 emissions. The company's **Green Room** web site provides a wealth of information about "energy vampires" and the issue of standby energy waste, along with a comprehensive guide to energy-efficiency standards around the world. Reflecting the environmental benefits of EcoSmart technology, Power Integrations' stock is included in The Cleantech Index® and the NASDAQ® **Clean Edge**® Green Energy Index. For more information, please visit www.powerint.com.

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