

New Highly Efficient LYTSwitch-5 ICs From Power Integrations Support Multiple LED Driver Topologies

1/25/2016

Flexible platform delivers high PF, low THD and highly accurate constant-current regulation

SAN JOSE, Calif.--(BUSINESS WIRE)-- Power Integrations (Nasdaq:**POWI**), the leader in high-efficiency, high-reliability LED driver ICs, today announced its LYTSwitch™-5 single-stage LED driver IC family. LYTSwitch-5 devices combine PFC and constant-current output, and support multiple common LED driver topologies.

This Smart News Release features multimedia. View the full release here:

<http://www.businesswire.com/news/home/20160125006561/en/>

Solid-state lighting applications have highly variable driver requirements, and power engineers are often challenged to develop optimized designs quickly in response to requests from lighting designers. The **LYTSwitch-5** family supports the safety-rated isolated flyback topology for ballast applications, and non-isolated topologies such as buck and buck-boost for low-cost lamps and bulbs. Additionally, a choice of low-side or high-side switching enables designers to optimize for low EMI or for reduced inductor complexity. By achieving over 90% efficiency, 0.9 PF, less than 5% THD and +/-3% current regulation accuracy over line, load, production variance, temperature and multiple topologies, LYTSwitch-5 is the best LED driver for solid-state lighting applications below 25 W.

The high efficiency of **LYTSwitch-5** LED driver designs results in smaller heatsinks, more compact implementations and increased lifetime. Highly accurate CC regulation reduces the degree of overdesign required to guarantee compliance to lumen output standards from regulatory bodies such as the California Energy Commission (CEC) and ENERGY STAR®. 650 V and 725 V MOSFET options are available to optimize surge-withstand performance for a variety of product types and geographical installations.

Comments Hubertus Notohamiprodo, product marketing director at Power Integrations: “**LYTSwitch-5** ICs suit multiple applications including tubes, down-lights and high- and low-bay ballasts. The simple designs and low component count enabled by these new ICs result in compact, reliable, high-performance driver circuits and a platform-based design approach with increased manufacturing throughput.”

LYTSwitch-5 LED driver ICs offer up to 25 W, an extended universal input range (90 - 308 VAC) and wide output voltage range (2:1). Protection features include thermal foldback with end-stop shutdown, short-circuit protection, input and output OVP, overcurrent protection and safe brown-in and brown-out.

LYTSwitch-5 IC samples are available now. Devices are priced at \$0.46 in 10,000-piece quantities. A reference design, DER-515, is available for download now from the Power Integrations website at www.power.com/lytswitch-5.

About Power Integrations

Power Integrations, Inc. is a leading innovator in semiconductor technologies for high-voltage power conversion. The company’s products are key building blocks in the clean-power ecosystem, enabling the generation of renewable energy as well as the efficient transmission and consumption of power in applications ranging from milliwatts to megawatts. For more information please visit <http://www.power.com>.

Power Integrations, LYTSwitch and the Power Integrations logo are trademarks or registered trademarks of Power Integrations, Inc. All other trademarks are the property of their respective owners.

View source version on businesswire.com: <http://www.businesswire.com/news/home/20160125006561/en/>

Source: Power Integrations, Inc.

Media Contact

Power Integrations, Inc.

Peter Rogerson, 408-414-8573

peter.rogerson@power.com

or

Press Agency Contact

BWW Communications

Nick Foot, 44 (0) 1491-636 393

nick.foot@bwwcomms.com