power integrations

NEWS RELEASE

InnoSwitch-CE Switcher ICs from Power Integrations Optimized for Efficiency and Standby Power Performance

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Low quiescent current draw and synchronous rectification enable consumer electronics to meet ErP and ENERGY STAR® Total Electrical Consumption requirements

SAN JOSE, Calif.--(BUSINESS WIRE)-- Power Integrations (Nasdaq: **POWI**), the leader in high-voltage integrated circuits for energy-efficient power conversion, today announced its **InnoSwitch™-CE** ICs, a new clade of its InnoSwitch family of off-line CV/CC flyback switcher ICs. The new devices are optimized for consumer electronics applications where government regulations for Total Energy Consumption (TEC) are of utmost importance.

This Smart News Release features multimedia. View the full release here:
http://www.businesswire.com/news/home/20160412006583/en/

InnoSwitch™-CE switcher ICs from Power Integrations are optimized for efficiency and standby power performance. (Graphic: Business Wire)

InnoSwitch ICs use a magneto-inductive coupling technique called **FluxLink**™, invented by Power Integrations, which enables precise switching control of both primary and secondary MOSFETs without unreliable optocouplers. This topology provides highly efficient synchronous rectification without the risk of shoot-through during transient loads or line surges, enhancing product reliability. The technique also exhibits excellent cross-regulation performance, which often permits the elimination of DC-DC converter stages in multi-output designs, further enhancing power sub-system efficiency and reducing system cost.

InnoSwitch-CE ICs target adapters and chargers for smart mobile products as well as open-frame power supplies for set-top boxes, computer monitors and other consumer audio-visual and entertainment products. InnoSwitch-CE

ICs consume less than 10 mW no-load and are also very efficient across the entire load range, minimizing the energy wasted in low-power standby or sleep modes, which is often critical to meeting challenging TEC regulations.

InnoSwitch-CE ICs include an on-chip 650 V MOSFET with accurate line OV/UV monitoring, which delivers excellent protection against line surges and swells. Devices support multiple outputs with an accurate external current sense.

Comments Shyam Dujari, director of product marketing at Power Integrations: “Consumer electronics goods need to be small and consume very little power. Importantly, most of these products, such as set-top boxes and monitors, are left connected to an outlet even when not in use. With an integrated SR drive and high efficiency across the entire load range, including standby and idle modes, InnoSwitch-CE ICs are an important new option for designers faced with challenging TEC requirements.”

InnoSwitch-CE devices exceed all international energy-efficiency standards such as ENERGY STAR, California Energy Commission, European Union Code of Conduct (CoC) Version 5, Tier 2, and the US Department of Energy standards (DoE 6). Devices are UL1577 and TUV (EN60950) safety-approved and EN61000-4-8 (100 A/m) and EN61000-4-9 (1000 A/m) compliant.

Six devices are available, delivering between 12 W and 25 W of output power for USB Type-C chargers and consumer electronics such as set-top boxes. **InnoSwitch-CE** samples are available now. Devices are priced from $0.80 in 10,000-piece quantities. Reference design DER-471 is available from the Power Integrations website at **www.power.com/innoswitch-ce**.

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 **www.power.com**.

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