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NEWS RELEASE

Uprated LinkSwitch AC-DC Converter ICs From Power Integrations Increase Available Current by 60%

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High-efficiency LNK3207 ICs reduce BOM count and simplify buck converter design for appliances, sensors and metering applications

SAN JOSE, Calif.--(BUSINESS WIRE)-- Power Integrations (Nasdaq: **POWI**), the leader in high-voltage integrated circuits for energy-efficient power conversion, today announced a new member of its acclaimed **LinkSwitch™-TN2 AC-DC converter family**. The new **LNK3207** ICs facilitate higher-power offline buck converter designs for appliances and industrial applications by increasing the available output current from 360 mA to 575 mA, while also reducing BOM count.

Power Integrations' LinkSwitch-TN2 ICs increase output current from 360 mA to 575 mA & target mass-market appliances such as washers, dryers, coffee makers and more. Design engineers can easily upgrade existing designs while reducing BOM count. (Photo: Power Integrations)

Silvestro Fimiani, product marketing manager at Power Integrations said: “These new LinkSwitch-TN2 ICs are pin-to-pin compatible with previous generations, making it simple for customers to upgrade to higher-power designs. A high-current buck converter can be created using a minimal number of easily available components while saving at least one diode over previous solutions.”

The LNK3207 AC-DC converter ICs increase the available current by 60% while also delivering greater than 80% efficiency and no-load consumption of less than 30 mW. Each monolithic LinkSwitch-TN2 IC incorporates a 725 V power MOSFET, oscillator, on/off control for high efficiency at light load, a high-voltage switched current source for self-biasing, frequency jittering, fast (cycle-by-cycle) current limit, hysteretic thermal shutdown, and output and input overvoltage protection circuitry.

The new LinkSwitch-TN2 ICs target mass-market appliances such as washers, dryers and coffee makers, which benefit from their design simplicity. They are also suitable for sensor-based devices that require low power such as home security cameras and smart thermostats, as well as metering and IoT installations. Devices are available in three packages, PDIP-8C, SMD-8C and SO-8C, for design flexibility. The SMD-8C package is ideal for high-temperature ambient 85/105 °C applications.

Availability & Resources

LNK3207 AC-DC converter ICs are priced at $0.60 in volume product quantities. A new reference design, **RDR-912** describes a 6.6 W non-isolated buck converter with 85 VAC – 265 VAC input and 12 V, 550 mA output built using the lowest possible component count. For further inquiries contact a Power Integrations sales representative or one of the company's authorized worldwide distributors: **Digi-Key**, **Farnell**, and **Mouser**.

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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