



Power Integrations Introduces Reference Design Kit for an Energy-Efficient Charger/Adapter with 10 kV Surge Protection

Circuit Enables Highest Surge Protection for Cordless/Wireline Phone Designs

SAN JOSE, Calif.- October 2, 2006 - Power Integrations, Inc., the leader in high-voltage integrated circuits for power conversion, today introduced a reference design kit for an energy-efficient charger/adapter based on its *LinkSwitch®-LP* family of integrated circuits with *EcoSmart®* technology. The new reference design kit (RDK-83) reduces no-load power consumption by 79 percent compared to existing linear solutions, and features a constant-voltage (CV) charger circuit capable of withstanding 10 kV common-mode / 2 kV differential-mode surges. This level of surge protection is often required in power supplies for products that connect to telephone lines - such as cordless/wireline phones, answering machines, modems and other telecom devices.

"Designing for adequate surge protection helps to minimize damage to products due to lightning strikes and other over-voltage events and thereby reduces the cost of replacement and repairs," said Richard Fassler, director of product marketing for Power Integrations. "With the RDK-83 as a guide, designers can develop switched mode power supplies that will withstand 10 kV surges and operate far more efficiently than supplies based on linear transformer technology."

The RDK-83 contains a working 7.7 V, 210 mA flyback adapter circuit that operates over the universal input voltage range of 85 VAC to 265 VAC. As with all recent PI reference designs, the RDK-83 has a high average active mode efficiency of 66.6 percent, which easily exceeds the ENERGY STAR and California Energy Commission (CEC) specification of 53.2 percent, and no-load power consumption of less than <220 mW at 115 VAC.

Included in the kit are *LinkSwitch-LP* samples, PCB, an engineering report on the power supply, and a *PI Expert*[™] power supply design software CD-ROM.

The RDK-83 is priced at \$100.00 and is available today at www.powerintsamples.com. For a complete listing of Power Integrations energy-efficient circuits, see www.powerint.com/appcircuits.htm.

About Power Integrations

Power Integrations, Inc. (Other OTC:POWI.PK), is the leading supplier of high-voltage analog integrated circuits used in power conversion. The company's breakthrough integrated-circuit technology enables compact, energy-efficient power supplies in a wide range of electronic products, in both AC-DC and DC-DC applications. The company's *EcoSmart®* energy-efficiency technology, which dramatically reduces energy waste, has saved consumers and businesses around the world more than an estimated \$1.8 billion on their electricity bills since its introduction in 1998. For more information, visit the company's website at www.powerint.com.

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