



Power Integrations' Newest PeakSwitch IC Supports Peak Loads up to 127 W

New IC Simplifies Power Supply Design, Helps ENERGY STAR Compliance

SHENZHEN, China--(BUSINESS WIRE)--Power Integrations, Inc. (OTC:POWI) the leader in high-voltage analog integrated circuits for power conversion, today announced availability of the PeakSwitch PKS607, an integrated power conversion IC capable of handling peak demand of up to 127 W. The PKS607 addresses a wide range of applications that exhibit very high peak-to-RMS (root mean square) power requirements, such as printers, audio amplifiers, and home entertainment systems. This PeakSwitch® family provides peak power on demand while allowing designers to specify a transformer sized for the continuous power level. This capability significantly reduces the size, weight, and cost of the overall power supply design.

PeakSwitch PKS607 handles almost 50% more peak power than earlier PeakSwitch ICs. The new device incorporates a 700 V MOSFET and low-voltage control circuitry on a monolithic IC. ON/OFF control ensures highly efficient operation at all load conditions, plus very low standby-power consumption. This enables equipment designers to easily comply with all current energy-efficiency standards, including the proposed ENERGY STAR efficiency standard for printers, which specifies power budgets during standby, sleep and active operation. Other key features include integrated auto-restart, hysteretic thermal shutdown and integrated frequency jittering to minimize EMI.

"By addressing higher peak load requirements, the PKS607 allows more designers to take advantage of the PeakSwitch's low overall system cost and easy implementation for larger power supplies," said Andy Smith, product market manager at Power Integrations. "Additionally, the PKS607 enables designers to easily meet current and future energy saving standards for active, standby, and sleep-mode power requirements. No other integrated power conversion IC on the market today can make that claim"

PKS607 is available in lead-free, plastic through-hole DIP-8 and higher power standard TO-220 packages. Pricing in 1000-piece quantities for the PKS607 - offering 75 W continuous, 127 W peak in an F or Y package - is \$1.50. Small quantities are available now from factory stock, with production quantities available six weeks ARO.

Complete documentation for the PeakSwitch family is on the Power Integrations website at www.powerint.com/peakproduct.htm. Design support includes a datasheet, an application note (AN-41), a Reference Design Kit (DAK-93) containing an operational 1.07A continuous, 2.7A peak output power supply and product samples, and the company's power supply design software, PI Expert™.

About Power Integrations

Power Integrations, Inc. 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 \$2 billion on their electricity bills since its introduction in 1998. For more information, visit the company's website at www.powerint.com. For information on global energy-efficiency standards and EcoSmart solutions, visit the Power Integrations' Green Room at www.powerint.com/greenroom.

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