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Exar Broadens PowerBlox™ Family with High Efficiency 3Amp Regulator

XRP7675 Simplifies Energy Efficient Power Supply Design

FREMONT, Calif., April 29, 2013 /PRNewswire/ -- Exar Corporation (Nasdaq: EXAR), a leading supplier of high performance analog mixed-signal components and data management solutions, today announced the availability of the XRP7675, a new synchronous Pulse Frequency Modulation/Pulse Width Modulation (PFM/PWM) step down voltage regulator with a maximum load current of 3 Amps and operating input voltage up to 18V. The XRP7675 offers greater than 90% efficiency over a wide output current range and is ideal for energy efficient and Energy Star compliant products requiring constantly on power supplies.

The XRP7675 is optimized for 5V and 12V inputs with a programmable output voltage down to 0.925V. Power supplies typically found in audio-video equipment, set-top boxes, gaming systems, telecom, computing peripherals and systems permanently requiring power, will benefit greatly from the light load efficiency of the XRP7675.

"The XRP7675 complements our recently released XRP7674, a 2A high efficiency regulator," said Eric Pittana, director of marketing, Power Product Line, Exar. "Whether performance or cost, power engineers may now optimize their selection of highly efficient always on point-of-load solutions."

Product Information

The XRP7675 is a synchronous current mode PFM/PWM step down (buck) regulator capable of delivering a constant output current up to 3Amps. The efficiency ranges from 85% at a load of 30mA to as high as 95% up to 3A. The XRP7675 operates at a fixed 340 kHz switching frequency, with output voltage adjustable down to 0.925V with +/- 2% accuracy across the entire operating range. A dedicated enable pin and programmable soft start provide design flexibility for any point-of-load supply. Built-in current limit, output over voltage and thermal shutdown protection provide the XRP7675 with fail-safe operations.

The XRP7675 is a pin and function upgrade to Exar's XRP7665.

Product Availability

The XRP7675 is available now and customers can purchase the product through authorized distributors or by going to the Exar website and selecting "[order samples](#)". The XRP7675 comes standard in a RoHS compliant, Halogen Free Thermally Enhanced 8-Pin

SOIC Package. Pricing for the XRP7675, in 1,000 unit quantities, starts at \$1.05 per unit.

Additional Information

Additional information on the XRP7675 is available [online](#).

Additional information on Exar's power management products is also available [online](#).

About Exar

Exar Corporation designs, develops and markets high performance, analog mixed-signal integrated circuits and advanced sub-system solutions for the Networking & Storage, Industrial & Embedded Systems, and Communications Infrastructure markets. Exar's product portfolio includes power management and connectivity components, communications products, and network security and storage optimization solutions. Exar has locations worldwide providing real-time customer support. For more information about Exar, visit <http://www.exar.com>.

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