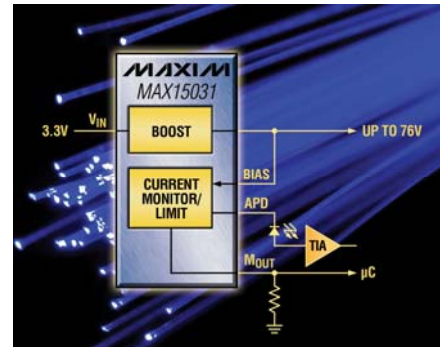


PRESS INFORMATION

- FOR IMMEDIATE RELEASE -

Avnet Memec offers Maxim's Small Boost Converter with Current Monitor

Poing, June 25th, 2009 - Avnet Memec, the highly specialised semiconductor distributor of Avnet Electronics Marketing EMEA, introduces the new MAX15031 of Maxim Integrated Products. This constant-frequency, pulse-width modulated (PWM) step-up converter is designed for low-voltage systems that require a locally generated high voltage. Operating from a 2.7V to 11V supply, this device delivers a low-noise output voltage up to 76V (300mW of power) without an external voltage doubler. Additionally, Maxim's advanced BiCMOS process technology enables the MAX15031 to integrate a high-side current monitor with fast (1 μ s) current limiting to save space and cost in diode-biasing applications. This device is ideal for applications such as avalanche photodiode (APD) biasing, PIN biasing, and varacter biasing in fiber modules.



The MAX15031 utilizes peak current-mode PWM architecture with a fixed switching frequency of 400kHz, thus producing a low-noise output. The onboard current monitor offers three decades of dynamic range, and monitors current from 500nA to 4mA with high accuracy. Resistor-adjustable current limiting protects the APD from optical power transients. Internal soft-start circuitry limits the input inrush current during power-up, while a clamp diode protects the monitor's output from overvoltage conditions.

The MAX15031 is available in a space-saving, 4mm x 4mm, 16-pin TQFN package, and is fully specified over the -40°C to +125°C temperature range.

About Avnet Memec

Avnet Memec, a business unit of Avnet Electronics Marketing EMEA, is a highly specialised semiconductor distributor, operating on a pan-European basis and employing a significant number of engineers to support customers' design efforts. Avnet Memec specialises in highly innovative suppliers and technologies, which will help a variety of customers to differentiate their designs. Its area of specialisation extends from Analog and Microcontrollers to RF, Datacom and Networking. The business unit operates out of 31 offices in 19 European countries and represents major semiconductor franchises on a pan-European basis. www.avnet-memec.eu

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