

Driver IC Intended for Retrofit LED lamps

Dresden, Germany, July 18, 2011 - ZMD AG has announced availability of the ZLED7320, a new member of its high current ZLED7x20 family of 40V LED-Driver-ICs. The ZLED7320, which operates at up to 98% efficiency and is available in a small-footprint DFN-5 package, is designed to help manufacturer's cost-effectively address the growing high-brightness (HB) LED lighting market.

"The ZLED7320 bridges the gap between our existing 0.75A and 1.2A high-efficiency drivers while the small-footprint package provides easier assembly" stated Dr. Hendrik Ahlendorf, Product Manager at ZMDI. "The ZLED7320 provides an ideal solution for many cost- and size- sensitive applications, including Retrofit LED lamps, signage, street and traffic lights, spotlights, appliance lighting and all types of general home and office illumination."

The LED driver features on-chip switching transistor, 1200:1 dimming via PWM signal or fixed voltage, up to 1 amps of output current at +/- 3% accuracy and high-side current sensing. Built-in protection includes thermal shutdown, open-circuit and short-circuit protection. Due to its output current capabilities, the ZLED7320 supports the new high brightness and high current LEDs from major LED manufacturers without requiring an additional MOSFET to the application circuit. Only the addition of 4 passive components is required for a complete LED driver solution. The device operates at a temperature range of -40°C to 105°C.

The DFN-5 package simplifies board assembly and offers improved packing density for area- or volume- constrained systems. Thanks to its compact size, manufacturers can develop innovative new products and applications where efficient high-brightness LED solutions are a market advantage.

The ZLED7320 is in full production now and a complete evaluation kit is available from the company. For 2,500 pieces, the ZLED7320 is priced at 0.66€ or US\$0.86.

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