Ultra-Miniature, 1W, DC/DC Converters

Available now from MicroPower Direct, is the LCP100E series of ultra-miniature 1W DC/DC converters. Packaged in a miniature, low profile, SMT case; these units are specifically designed to be a "Drop In" upgrade for older DCP01 type converters. As part of MPD's "Cost Cutter" series of products, they are offered at very low prices. Eight standard models operate from 5VDC or 12 VDC inputs, providing tightly regulated single outputs of 5, 9, 12, or 15 VDC. Standard features include short circuit protection, input/output isolation of 1,500 VDC, high efficiency and low noise operation. The MTBF (per MIL HDBK 217F) of the the LCP100E series is greater than 3.5 Mhours. All models are RoHS compliant.

The LCP100E family is packaged in a miniature, low profile 0.77 x 0.42 x 0.18 inch case. The SMT mountable package is compatible with most automated manufacturing equipment. The footprint is compatible to DCP01 type converters. Each model is specified for operation over the industrial operating temperature range of -40°C to +85°C (ambient).

The LCP100E series is an ideal solution for a wide variety of board level power applications requiring high performance, ultra-miniature package size and low component cost. Applications would include industrial process systems, test equipment & instrumentation, data processing equipment, robotic systems and board level power distribution subsystems. MicroPower Direct products are designed to provide long, reliable field life. Considerable attention is given to the proper selection, derating, and layout of all circuit components. In addition, extensive reliability screening is also performed on all products as a routine part of our production process.

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