Miniature SMT Mountable 5W DC/DC Converters Combine High Performance Features

Now available from MicroPower Direct, the LF500RU series is a family of miniature SMT mountable 5W DC/DC converters. These converters combine high performance features such as a wide 4:1 input range, tight line/load regulation and low noise operation with a compact SMT package.

Fourteen models operate from wide 4:1 inputs of 9 to 18V or 18 to 75V; providing single and dual outputs of 3.3, 5, 12, 15, ±5, ±12 or ±15 VDC. Standard features include efficiency as high as 83%, an input/output isolation of 1,500 VDC and tight line/load regulation. All models have continuous short circuit protection (with autorecovery), output power protection, and include a remote On/Off control input. The MTBF (per MIL HDBK 217F) of the LF500RU series is greater than 1.0 Mhours.

The LF500RU family is packaged in a compact SMT case (compatible with automated assembly equipment). They are available on tape/reel. The pin-out is industry standard. Operation for all
models is specified for operation over the wide operating temperature range of -40°C to +71°C with no derating or heat sinking required. With its combination of high performance features, miniature size and economy, the LF500RU series is an ideal choice for a wide variety of board level applications in industrial & commercial equipment.All 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.

MicroPower Direct
www.micropowerdirect.com [1]

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[1] http://www.micropowerdirect.com/