

Dual Output DC/DC Converters



Now available from MicroPower Direct, the B1000R series is a low cost family of miniature, 10 W, dual output DC/DC converters. These units provide a cost effective solution to on-board analog power applications in systems utilizing a 5 VDC bus.

Two models operate from a 5 VDC input and provide outputs of ± 12 or ± 15 VDC. Standard features include an input/output isolation of 1500 VDC, line/load regulation of $\pm 0.03\%$, high efficiency and low output ripple and noise.

Conducted EMI performance meets the requirements of EN55022 Class "A."

The B1000R family is packaged in a compact, industry standard 2.0 \times 1.0 \times 0.4 inch shielded metal case. Each model is specified for operation over the wide operating temperature range of -40°C to $+71^{\circ}\text{C}$ with no derating or heat sinking required. Cooling is free-air convection.

The B1000R family is an ideal choice for a wide variety of board level applications requiring low cost, miniature packaging, high power density and the flexibility of high performance features. Applications would include data acquisition subsystems, telecommunications equipment, datacomm equipment, industrial control systems and instrumentation.

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