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DC/DC converter saves board space with SIP ceramic...

BI TECHNOLOGIES' DC/DC CONVERTER ELIMINATES HEAT SINK REQUIREMENTS

ANAHEIM, CA (February 26, 2007) – Providing designs engineers with an efficient, versatile point-of-load device for a variety of applications, TT electronics BI Technologies Electronic Components Division offers a fixed five-volt output DC/DC converter. Designated Model 831, the two-watt converter is packaged in a hybrid SIP configuration and uses a ceramic base and hybrid technology to virtually eliminate any heat sinking requirements.

“Requiring only two external capacitors and no heat sinks, the robust, efficient design of the DC/DC converter makes it easy to use and inexpensive to implement,” said Mike Ochoa-Hougan, product manager for BI Technologies Electronic Components Division. “With a wide input voltage range, tight load regulation, and current limit protection, the converter is suitable for a variety of applications, including commercial applications with a need for a point-of-load source of low-voltage power for control circuitry.”

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BI'S DC/DC CONVERTER ELIMINATES HEAT SINK REQUIREMENTS, PG. 2

The 2W converter features a fixed output voltage of 5V (3.3V available) at up to 400mA, and an input voltage range of 12VDC to 32VDC. Line regulation is 1.0% (measured at 16V to 32V at 400mA) with load regulation of 1.0% (at 100mA to 400mA). Operating temperature is -10°C to +70°C. BI Technologies will also produce devices outside these specifications to meet customer requirements.

The Model 831 DC/DC converter measures 1.0 inch long and 0.5 inch high, and is 0.225 inch thick, with typical lead spacing of 0.10 inch. The converter can also be vertically or horizontally mounted.

Typical pricing for the Model 831 converter is approximately \$4.00 in medium range volumes, with lead times from stock to 8 weeks.

For more information about BI Technologies' Model 831 DC/DC Converter, contact BI Technologies at 714-447-2518, by fax at 714-388-0046; by mail at 4200 Bonita Place, Fullerton, CA 92835; or visit: <http://www.bitechnologies.com/products/microcircuits.htm>

BI Technologies has been an innovator and leader in electronic components for more than 50 years. The company is a global manufacturer of trimming and precision potentiometers, position sensors, turns-counting dials, chip resistor arrays, resistor networks, integrated passive networks, transformers, inductors, hybrid microelectronics and custom integration products for communication, computer, automotive and industrial applications.

BI Technologies serves a global customer base with manufacturing locations in the United States, Mexico, Scotland, Japan, China and Malaysia.

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BI'S DC/DC CONVERTER ELIMINATES HEAT SINK REQUIREMENTS, PG. 3

TT Electronics plc is a global electronics company manufacturing a broad range of advanced electronic components, assemblies and sensor modules for the automotive, industrial, telecommunication, computer and aerospace markets.

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To request the electronic image, call 919-872-8172, or e-mail: bgaddy@btbmarketing.com

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