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Miniature surface mount inductor ideal for distributed power architecture applications...

BI TECHNOLOGIES EXPANDS MOLDED INDUCTOR FAMILY WITH MINIATURE AND CUSTOM DEVICES

LAS VEGAS, NV (May 6, 2008) — For design engineers who require a magnetic solution beyond the standard inductor offering, TT electronics BI Technologies has expanded it's molded inductor product line to include a miniature device and custom capabilities. The latest addition to the HM72A Series is a molded inductor only 1.6mm thick in a package measuring just 6mm x 6mm.

“In addition to developing a miniature inductor for space constrained applications, we are now maximizing our specialty tooling expertise and offering custom inductor solutions,” said David Smolik, director of product development for TT electronics' BI Technologies. “Expanding our molded inductor product line and offering custom capabilities allow us to better serve our customers specific needs.”

Typical applications for the HM72A low profile molded inductor include servers, notebooks, work stations, DC/DC converters, point-of-load modules, telecommunications, datacom, industrial equipment and automotive designs.

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The HM72A surface mount inductor features a pressed powdered iron alloy core construction. The inductor is capable of controlling power losses in switching frequencies ranging from 300kHz to 1MHz. Inductance values range from 100nH to 33µH, with saturation levels to 80A. Operating temperature ranges from -40°C to +155°C, with a maximum temperature rise rating of 50°C. Custom devices are also available.

Typical pricing for the HM72A Series low profile molded inductor is approximately \$0.55 to 0.85 each, depending on quantity. Lead time is from stock to 10 weeks.

For more information about the HM72A Series inductors, contact BI Technologies at sales@bitechnologies.com; by phone at 714-447-2759; by fax at 714-447-2400; by mail at 4200 Bonita Place, Fullerton, CA 92835; or visit http://www.bitechnologies.com/products/magnetics_list.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, industrial, and automotive applications.

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

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.