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Low profile surface mount power inductor suits applications with limited PCB space...

BI TECHNOLOGIES DEVELOPS COMPACT SURFACE MOUNT POWER INDUCTOR

AUSTIN, TX (February 26, 2008) — Providing design engineers with a compact power device in a cost-efficient package, TT electronics_ BI Technologies has developed a tight DCR surface mount power inductor. Designated the HM69T Series, the inductor measures just 7.4mm x 7.2mm, with a height of 5.0mm.

“The compact footprint makes the HM69T Series inductor ideally suited for space-saving designs, including those applications with limited printed circuit board space,” said David Smolik, director of product development for BI Technologies. “Coupled with a tight DCR tolerance of $\pm 3\%$ and cost-efficient packaging, the inductor is specified for high volume power supply applications, such as voltage regulators and power circuits for central processing units.”

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BI DEVELOPS COMPACT SURFACE MOUNT POWER INDUCTOR, PG. 2

The HM69T surface mount power inductors feature inductance values of 90nH, 100nH and 150nH, with rated DC current of 57A, 52A and 27A, respectively. DCR tolerance is to $\pm 3\%$, with typical DCRs of 0.298m Ω . Operating temperature ranges from -40°C to +125°C, with a maximum temperature rise of +40°C.

Typical pricing for the HM69T Series inductor is approximately \$0.48 to \$0.63 each depending on volume and package size. Lead times are from 12 to 14 weeks.

For more information about the HM69T Series surface mount power inductor, 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/index.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.

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To request the electronic image, call +1-919-872-8172, or e-mail: bgaddy@btbmarketing.com

Keywords: TT electronics, BI Technologies, HM69T, inductor, surface mount
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