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Miniature surface mount thin film inductors save PC board space...

BI TECHNOLOGIES OFFERS THIN FILM CHIP INDUCTORS FOR COMMUNICATION APPLICATIONS

ANAHEIM, CA (February 26, 2007) — Providing design engineers with a compact inductive device designed to fit space-constrained applications, TT electronics BI Technologies Magnetic Components Division now offers a series of thin film chip inductors. Designated the BTC Series, the inductors feature tight tolerances and are available in 0402 and 0603 package sizes.

“These thin film chip inductors are smaller and flatter than wirewound inductors, and are surface mountable, allowing them to be used in applications with limited board space,” said David Smolik, Director of Product Development for TT electronics BI Technologies Magnetics Division. “Their small profile and tight tolerances make the BTC Series inductors ideal for communications applications, including cellular telephones, pagers, GPS products and Bluetooth modules.”

Additional applications for the thin film chip inductors include RF ICs, WLAN cards, low noise amplifiers, mixers, voltage- and temperature-controlled oscillators, matching networks, and RF transceiver modules.

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The BTC Series thin film chip inductors exhibit stable inductance values in high frequency circuits and self-resonant frequencies controlled within 10 percent. Absolute tolerance is to $\pm 1\%$ or $\pm 0.1\text{nH}$, with frequencies of 300MHz for the 0603 package, and 500MHz for the 0402 package. The inductors are compatible with both reflow and flow soldering.

Typical pricing for the BTC Series inductors is approximately \$22.00 to \$59.00 per thousand pieces depending on tolerance and sizes, with lead times from stock to 10 weeks.

For more information about the BTC Series thin film chip 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 www.bitechnologies.com.

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

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