

FOR IMMEDIATE RELEASE, BI474
February 26, 2007

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RoHS-compliant power inductors ideal for handheld, portable electronics...

BI TECHNOLOGIES DEVELOPS FAMILY OF LOW PROFILE SURFACE MOUNT POWER INDUCTORS

ANAHEIM, CA (February 26, 2007) — Providing design engineers with inductive devices spanning a range of sizes and inductance values to suit a variety of applications, TT electronics BI Technologies Magnetic Components Division has developed a new family of surface mount power inductors in four low-profile package types. Designated the HM62 Series, the inductors exhibit high self-resonant frequencies up to Q value.

“With their wide range of inductance values and profiles as low as 1.0mm, the HM62 power inductors are being specified for space-constrained applications,” said David Smolik, Director of Product Development for TT electronics BI Technologies Magnetics Division. “Their low profile makes the inductors ideal for handheld, portable electronic devices including iPods, MP3 players, cell phones, cameras and PDAs.”

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BI DEVELOPS FAMILY OF SURFACE MOUNT POWER INDUCTORS, PG. 2

The HM62 Series family includes:

- HM62-2610: low profile (1.0mm height) inductor with inductance values from 1.0 μ H to 22.0 μ H (@100KHz, 0.1Vrms, 0A) and absolute tolerance to \pm 20% and \pm 30% (depending on inductance value);
- HM62-3014: low profile (1.4mm height) inductor with inductance values from 1.0 μ H to 100.0 μ H (@100KHz, 0.1Vrms, 0A) and absolute tolerance to \pm 20%;
- HM62-3015C: low profile (1.5mm height) inductor with inductance values from 1.5 μ H to 47.0 μ H (@100KHz, 0.1Vrms, 0A) and absolute tolerance to \pm 20% and \pm 30% (depending on inductance value);
- HM62-3515: low profile (1.5mm height) inductor with inductance values from 2.2 μ H to 220.0 μ H (@100KHz, 0.1Vrms, 0A) and absolute tolerance to \pm 20%.

All inductors in the HM62 Series family feature an operating temperature range of -40°C to +85°C. The inductors are offered in both shielded and non-shielded packages.

Typical pricing for the HM62 Series is approximately \$0.25 to \$0.35 depending on volume, with delivery from stock to 10 weeks.

For more information about the HM62 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 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.

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BI DEVELOPS FAMILY OF SURFACE MOUNT POWER INDUCTORS, PG. 3

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, HM62 Series, Power Inductor, Surface Mount
URL: <http://www.bitechnologies.com>