

FOR IMMEDIATE RELEASE, BI468
February 16, 2007

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RoHS-compliant encoders convert motion into digital pulses...

BI TECHNOLOGIES DEVELOPS ROTARY MECHANICAL ENCODERS FOR BOARD AND PANEL APPLICATIONS

FULLERTON, CA (February 16, 2007) – Providing design engineers with a digital version of a potentiometer for controlling a variety of board and panel applications, TT electronics BI Technologies Electronic Components Division has developed a comprehensive line of rotary mechanical encoders. Designated the EN Series, the two-bit gray code incremental encoders are housed in 11mm, 12mm and 16mm packages, and feature detents and push-on switch options.

“The RoHS-compliant EN Series encoders convert motion into a sequence of digital pulses, allowing them to be used as a digital version of a potentiometer,” said Richard Hsieh, director of new product development for BI Technologies Electronic Components Division. “This makes the rotary encoders ideal for a variety of applications, including car audio, air-conditioning, and navigation systems, as well as DVD players.”

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BI DEVELOPS ROTARY MECHANICAL ENCODERS FOR BOARD AND PANEL APPLICATIONS, PG. 2

Additional board and panel applications for the encoders include digital monitors, audio mixers and sound systems, home theater receivers, portable players, multi-meters, copiers, timers, scanners, washing machines, dryers, and microwave ovens.

The EN Series product line includes:

- EN11: 11mm, 20 pulse per revolution, top and side adjust encoder with metal shaft and bushing, threaded and plain bushing, and optional push-on switch and detents;
- EN12: 12mm, 12 and 24 pulse per revolution, top and side adjust encoder with metal bushing, plastic shaft, and optional push-on switch and detents;
- EN16: 16mm, 12 and 24 pulse per revolution, top and side adjust encoder with metal bushing, plastic shaft, and optional detents.

All of the EN Series encoders are dust-proof and feature a rotational life of 30,000 cycles with an operating temperature range of -30°C to +85°C. BI Technologies will produce devices outside these specifications to meet customer requirements.

Pricing for the rotary mechanical encoders ranges from \$0.40 to \$0.60 depending on quantity.

Lead times are from stock to 4 weeks.

For more information about BI Technologies' rotary encoders, 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/encoders_sg.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.

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BI DEVELOPS ROTARY MECHANICAL ENCODERS FOR BOARD AND PANEL APPLICATIONS, 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 919-872-8172, or e-mail: bgaddy@btbmarketing.com

Keywords: TT electronics, BI Technologies, EN Series, Rotary Mechanical Encoders

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