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Data Sheet: <http://www.bitechnologies.com/pdfs/6120.pdf>

Sensor offered in multiple output profiles ranging from linear to non-linear...

BI TECHNOLOGIES DEVELOPS NON-CONTACT HALL EFFECT SENSOR WITH LIFE CYCLE UP TO 10 MILLION ROTATIONS

FULLERTON, CA (September 23, 2009) – Providing design engineers with a high accuracy, high resolution, long life cycle precision device, TT electronics BI Technologies has developed a non-contact single-turn Hall Effect sensor. Designated MagnePot, the Model 6120 Hall Effect position sensor features extremely low mechanical torque with a programmable electrical angle from five to 360 degrees.

“Available in three standard configurations plus custom models, and featuring low noise and a rotational life to 10 million cycles, the MagnePot sensor is a highly versatile device,” said Alain Leon, product marketing manager for BI Technologies. “Coupled with the high accuracy and high resolution of the device, as well as multiple factory-programmable output profiles ranging from linear to non-linear (multi-slope or piece-wise linear), the single-turn Hall Effect sensor is ideally suited for three-wire voltage divider applications.”

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BI DEVELOPS NON-CONTACT HALL EFFECT SENSOR, PG. 2

The MagnePot Hall Effect position sensors are available in three standard styles as well as custom configurations: 1/8" shaft, 1/4" bushing; 1/8" shaft, 3/8" bushing; and 1/4" shaft, 3/8" bushing. Standard independent linearity is $\pm 0.5\%$, with tighter linearity available on spec units. Typical output voltage ranges from 0.25Vdc to 4.75Vdc, while input voltage ranges from 4.5Vdc to 5.5Vdc. Minimum insulation resistance is 1,000M Ω , and operating temperature ranges from -40°C to +125°C. Custom configurations are also available upon request.

Samples are available in 3-4 weeks, and production lead time is 8 weeks.

For more information about BI Technologies' Hall Effect position sensor, contact BI Technologies at 714-447-2345, by fax at 714-388-0046; 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, automotive and industrial 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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