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*Sealed RoHS-compliant square potentiometer for use in contaminated environments...*

## **BI TECHNOLOGIES DEVELOPS 12.7MM PANEL POTENTIOMETER WITH LIFE CYCLE UP TO 1 MILLION ROTATIONS**

FULLERTON, CA (August 27, 2007) - Providing design engineers with a versatile, robust rotary device for applications requiring extended life, TT electronics BI Technologies Electronic Components Division has developed a 12.7mm rotary potentiometer with a life cycle of up to 1 million rotations. Designated the Model P260, the panel potentiometer features a conductive plastic element with up to 6 gangs, and is sealed for dusty or contaminated environments.

According to Richard Hsieh, director of product development for BI Technologies Electronic Components Division, similar products on the market are only offered with a rotational life of up to 50K cycles. "We offer the P260 potentiometer with IP66 ingress protection and have enhanced the contact spring to give it an extended life cycle while withstanding harsh environments," said Hsieh. "In addition to its robust construction, the Model P260 features several detent and rotary switch options which enable for this versatile device to be used in a variety of position and control applications."

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## **BI DEVELOPS 12.7MM PANEL POTENTIOMETER WITH 1 MILLION ROTATION LIFE CYCLE, PG. 2**

Typical applications for the Model P260 rotary potentiometer include joysticks, musical instruments, industrial controls, position sensors and board mounted panel controls.

The Model P260 potentiometer features a resistance range from 500Ω to 1MΩ and a power rating of 0.5W. Standard tolerance is to ±10%, with a maximum input voltage of 350VAC and a dielectric strength of 1,500VAC. Operating temperature range is from -55°C to +125°C. BI Technologies will also produce devices outside these specifications to meet customer requirements.

The RoHS-compliant rotary potentiometer is available with both linear and audio tapers.

Typical pricing for a standard single gang Model P260 rotary potentiometer is approximately \$2.00 each depending on volume. Lead times are from stock to 5 weeks, with custom samples available in as few as 4 weeks.

For more information about BI Technologies' P260 panel potentiometer, 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/panel\\_pots\\_sg.htm](http://www.bitechnologies.com/products/panel_pots_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.

BI Technologies serves a global customer base with manufacturing locations in the United States, Mexico, Scotland, Japan, China and Malaysia.

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**BI DEVELOPS 12.7MM PANEL POTENTIOMETER WITH 1 MILLION ROTATION LIFE CYCLE, PG. 3**

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](mailto:bgaddy@btbmarketing.com)*

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URL: [http://www.bitechnologies.com/products/panel\\_pots\\_sg.htm](http://www.bitechnologies.com/products/panel_pots_sg.htm)