



## For Review

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*New 8mm square potentiometer delivers 100k rotation cycle life...*

## TT electronics BI Technologies Develops Miniature Panel Potentiometers for Audio, Video & Communication Equipment

**Fullerton, CA, December X, 2010:** Providing audio and communications system design engineers with a versatile miniature potentiometer with an enhanced cycle life, TT electronics BI Technologies has developed a line of 8mm square panel potentiometers with a cycle life up to 100K rotations. Designated the P08x Series, the side-adjust miniature potentiometers are available with rotary switch, dual shaft and detent options, in multi-gang version up to 4 gangs. Ideal for audio equipment such as amplifiers, mixers and synthesizers, the P08x Series potentiometers can also be specified for video equipment as well as portable communication equipment and appliances.

According to Richard Hsieh, marketing director for TT electronics BI Technologies, the P08x Series potentiometers provide a wider range of configurations and options for modern miniature designs. “The conductive plastic elements, various mounting options and extended life cycles are ideal for applications that require reliable, long-life pots in small electronic devices,” he says. “The P08x Series enables our customers to have access to BI Technologies panel potentiometers in the smallest package yet.”

The P08x Series potentiometers are constructed with a conductive polymer resistive element that delivers the high cycle life with low noise. Resistance range is 500 to 1M ohms, with standard tolerances to  $\pm 20\%$ . Taper options include A (audio); B (linear); and C (reverse linear). Operating temperature range is from  $-55^{\circ}\text{C}$  to  $+125^{\circ}\text{C}$ , and the potentiometers are rated dust-proof to IP50 standards. Custom designs are also available.

The P08x Series panel potentiometers include:

- P08xN – side adjust potentiometer module, multi-ganged (up to 4 gangs)
- P08xS – side adjust rotary switch module, multi-ganged (up to 4 gangs)
- P08xD – side adjust dual shaft module, multi-ganged (up to 4 gangs)
- P08xE – side adjust dual shaft with rotary switch module, multi-ganged (up to 4 gangs)

– more –



## **TT electronics BI Technologies Develops Miniature Panel Potentiometers, Pg 2**

Typical lead time for the P08x Series potentiometers is 5 weeks, and typical pricing for standard single gang is approximately \$0.80, depending on the volume. Custom samples are available in 4 weeks.

For additional information, please access the Web site at [www.bitechnologies.com](http://www.bitechnologies.com) or email the TT electronics North America Sales Office at [sales@ttelectronics-na.com](mailto:sales@ttelectronics-na.com). To access the data sheet and other product information for BI Technologies' panel potentiometers, please visit:

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

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### **About BI Technologies**

BI Technologies, a division of TT electronics, 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.

### **About TT electronics PLC**

TT electronics plc is a focused, global electronics group supplying leading manufacturers in the defense, aerospace, medical, transportation and industrial markets. The Group consists of five divisions: Components, Sensors, Secure Power, Integrated Manufacturing Services and General Industrial each delivering technology, products and services to customers in target markets worldwide. TT electronics plc operates from headquarters based in Weybridge, Surrey, with more than 20 global manufacturing locations and more than 6,000 employees worldwide.

Additional information is available from our corporate website: <http://www.ttelectronics.com/>.

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