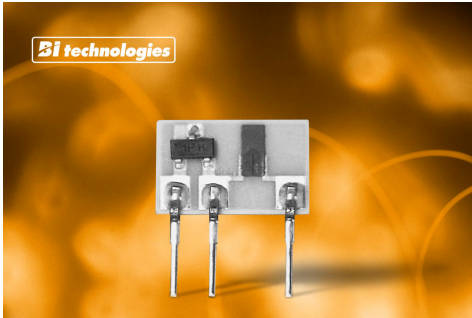


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Cold junction module utilizes hybrid SIP configuration to minimize board space...

BI TECHNOLOGIES DEVELOPS ACTIVE TEMPERATURE COMPENSATION MODULE FOR ACCURATE TEMPERATURE MEASUREMENT

FULLERTON, CA (November 30, 2006) – Providing design engineers with a device to enhance the accuracy of temperature measurements, TT electronics BI Technologies Electronic Components Division has developed a cold junction compensation module. Designated the 143-131A model, the module utilizes a PN junction that enables accurate temperature measurements when used with standard thermocouples.

According to Mike Ochoa-Hougan, hybrid program manager for BI Technologies' Electronic Components Division, the Cold Junction Compensation Module provides a cost-effective method for obtaining accurate temperature readings. "The 143-131A module is compatible with common thermocouples, to accurately correct for the temperature of the cold junction," said Ochoa-Hougan. "The module is available in a standard three-terminal package, making it compatible with most data acquisition manufacturers' mounting boards and terminal blocks."

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BI DEVELOPS ACTIVE TEMPERATURE COMPENSATION MODULE, PG. 2

The Cold Junction Compensation module features laser-trimmed accuracy as well as an environmentally stable, robust construction that includes a ceramic base and hybrid technology to ensure thermal equilibrium. According to Ochoa-Hougan, when the module is affixed to the 'cold junction' terminal block of a thermocouple circuit and appropriate excitation is provided, it will generate an accurate offset voltage to compensate for unwanted 'cold junction' voltage.

The 143-131A Cold Junction Compensation module features an output voltage slope of $-2.5\text{mV}/^{\circ}\text{C}$ and an accuracy of $\pm 1.25^{\circ}\text{C}$ within the operating temperature range of -40°C to $+85^{\circ}\text{C}$. BI Technologies will also produce devices outside these specifications to meet customer requirements.

Typical pricing for the 143-131A CJC module is approximately \$3.00 each in volume, with lead times from stock to 8 weeks.

For more information about BI Technologies' Cold Junction Compensation module, 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/microcircuits.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.

- more -

BI DEVELOPS ACTIVE TEMPERATURE COMPENSATION MODULE, 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, 143-131A, Cold Junction Compensation Module, Hybrid, SIP

Datasheet: <http://www.bitechnologies.com/products/microcircuits.htm>.