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Low-profile SON networks specified for military, aerospace, medical and industrial markets...

BI TECHNOLOGIES DEVELOPS SAMPLE KITS WITH MINIATURE THIN FILM RESISTOR NETWORKS CONFIGURED IN ISOLATED AND BUSSED CIRCUITS

FULLERTON, CA (January 28, 2010) – Providing design engineers with isolated and bussed network circuit options, TT electronics BI Technologies has developed two SON (aka QFN or DFN) 8-pad packaged sample kits. Designated SFN08AKIT and SFN08BKIT, the sample kits include four or seven ultra-stable thin film resistors configured in isolated and bussed circuits, respectively. Each sample kit contains 10 resistor networks, and the highly reliable networks are specified for voltage divider and gain setting circuits in the military, aerospace, industrial and medical arenas.

“These are the smallest standard resistor networks that we offer, and they measure only 4mm², which is 40% smaller than a standard eight lead SOIC narrow package,” said Mike Torres, fixed film product manager for TT electronics BI Technologies. “Specific applications for the networks in isolated and bussed schematics include electronic measurement equipment, semiconductor processing equipment, ultrasound equipment, and flight control systems.”

BI DEVELOPS SAMPLE KITS WITH RESISTOR NETWORKS IN ISOLATED, BUSSED CIRCUITS, PG. 2

The SFN08AKIT sample kit contains networks with four isolated resistors. The following networks and resistance values are included in the kit: SFN08A1001CBQLF with resistance value of 1000 Ω ; SFN08A1002CBQLF with resistance value of 10,000 Ω ; SFN08A1003CBQLF with resistance value of 100,000 Ω ; SFN08A4701CBQLF with resistance value of 4700 Ω ; and SFN08A4702CBQLF with resistance of 47,000 Ω .

The SFN08BKIT sample kit contains networks with seven bussed resistors. The following networks and resistance values are included in the kit: SFN08B1001CBQLF with resistance value of 1000 Ω ; SFN08B1002CBQLF with resistance value of 10,000 Ω ; SFN08B1003CBQLF with resistance value of 100,000 Ω ; SFN08B4701CBQLF with resistance value of 4700 Ω ; and SFN08B4702CBQLF with resistance value of 47,000 Ω .

All SFN Series resistor networks feature absolute tolerance to $\pm 0.25\%$, ratio tolerance to $\pm 0.1\%$, TCRs to $\pm 25\text{ppm}/^\circ\text{C}$ and TCR tracking to $\pm 5\text{ppm}/^\circ\text{C}$. Custom circuits are also available upon request. The SFN Series resistor network datasheet can be viewed at http://www.bitechnologies.com/pdfs/SFN_seriesDS.pdf.

The sample kits are free and available immediately. Typical pricing for the SFN Series networks is \$1 each, with lead times of 12 weeks.

To order an SFN resistor network sample kit, contact BI Technologies at 714-447-2345; by fax at 714-388-0046; by mail at 4200 Bonita Place, Fullerton, CA 92835; or visit:

<http://www.bitechnologies.com/SampleRqstContact.htm> and enter SFN08AKIT or SFN08BKIT in the BI part number field along with your appropriate contact information.

- more -

BI DEVELOPS SAMPLE KITS WITH RESISTOR NETWORKS IN ISOLATED, BUSSED CIRCUITS, PG. 3

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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To request the electronic image, call 919-872-8172, or e-mail: beth.gaddy@btbmarketing.com

Keywords: TT electronics, BI Technologies, SFN Series, resistor network, sample kit, SFN08AKIT, SFN08BKIT, QFN, SON

Datasheet: http://www.bitechnologies.com/pdfs/SFN_seriesDS.pdf