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For Immediate Release

Inductors for Power Conversion in Telecom and Consumer Electronics Product Applications from Pulse

Two new series have small footprints (7.2mm x 7.2mm) with inductance values up to 100 microhenries and current ratings up to 4.5 Amps.

San Diego, Calif. – March 05, 2004 –Pulse, a Technitrol (NYSE: TNL) Company, introduces the PF0464/PF0465 power shielded surface mount (SMT) inductor series for local DC-to-DC power conversion. The two new series have a high current rating of 4.5 amps (A) in a low-profile (3mm height for the PF0464 and 4mm height for the PF0465), small footprint package (7.2mm x 7.2mm max) with inductance values up to 100 microhenries. Their extended operating temperature of minus 40 degrees Celsius to 125 degrees Celsius makes them suitable for high-temperature applications such as telecom and consumer electronics products.

The PF0464/PF0465 series has a reliable pad design, with lower direct current resistance (DCR) and higher operating temperature than similar power shielded SMT inductors. This means less increase in the temperature of the inductor at a given DC current, resulting in increased reliability. The DCR for the PF0464.302 (at 3 microhenries, 3 A) is 17 milliohms typical and 22 milliohms max. The PF0464.104 (at 100 microhenries, 0.54 A) has a 400 milliohms typical value and 505 milliohms max value. The PF0465.332 (at 3.3 microhenries, 3.5 A) has a 16 milliohms typical value and 20 milliohms at max value, and the PF0465.104 (at 100 microhenries, 0.65 A) has a DCR at 286 milliohms typical value and 350 milliohms max value. Tolerances are at plus or minus 20 percent. These components are tested to withstand a peak solder reflow temperature of 260 degrees Celsius. Lead-free versions are available.

These shielded inductors are designed for use in DC-to-DC conversion applications including distributed power architecture for multiple board equipment such as rack-mount equipment found in telecommunications network infrastructure or in stand-alone equipment like a modem, a switch or a hub. Other applications include game stations, camcorders and LCD displays.

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The PF0464/PF0465 series of inductors is available in tape-and-reel packaging. Prices start at $0.17 US per unit for quantities of 50,000. Unit price may vary depending on configuration and shipping destination. Contact Pulse directly for samples and high-volume pricing. Lead-time is four to six weeks. Detailed technical specifications are available on datasheet P610 http://www.pulseeng.com/pdf/P610.pdf located on the Pulse website.

About Pulse

Headquartered in San Diego, California, Pulse, a Technitrol (NYSE: TNL) Company, is one of the largest magnetic component manufacturers in the world. Pulse primarily serves OEMs in the data networking, telecommunications, high-speed Internet access, power conversion, military/aerospace, and consumer electronics industries. Recognized as experts in interference (noise) reduction, miniaturization, power management, and signal conversion, Pulse offers an extensive line of custom and standard passive magnetic solutions for OEMs in commercial as well as consumer industries. An ISO 9000 registered manufacturer. Pulse is fully engaged in joint development programs with key customers to ensure they receive high-performance, high-quality, and high-reliability products at competitive prices. Pulse is a member of and actively participates in IEEE, ANSI, T1/E1 and the DSL Forum.

In North America, contact Pulse's worldwide headquarters in the United States at 858-674-8100. The Pulse European offices are located in the United Kingdom and may be reached at +44-1483-401700, and its Asian offices in Singapore can be reached at +65-6287-8998. For more information, visit the Pulse Web site at www.pulseeng.com.

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PF046465_hires.jpg photo available at www.pulseeng.com/News/media_gallery.cfm

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