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TDK to Present NTC MLCC Technology at APEC 2009

Features Technology for Improved Transient Performance in Multiphase Voltage Regulators

Mount Prospect, IL February 16, 2009—TDK Corporation will present a dialogue session featuring the development of a new NTC multilayer ceramic capacitor technology during the **Applied Power Electronics Conference**, taking place in Washington D.C. this week.

The dialogue session, taking place Thursday, February 19th, 11:30 AM – 1:30 PM, will introduce a new material under development designed to achieve an optimized negative temperature coefficient (NTC) capacitor to match the positive temperature coefficient of an inductor's DCR which is critical in lossless DCR sensing applications.

The session will also show that the NTC capacitor exhibits near linear capacitance loss with an increase of temperature and compensates for the positive change of the output inductor's DCR. This more linear temperature response is desirable and will be shown to improve the sensing circuit's accuracy during transient events. Also, the current methodologies for lossless DCR sensing circuits typically used in high current switching mode voltage regulators for both single phase and multiple phase topologies will be addressed.

For more information on the presentation please email APEC2009@tdktca.com.

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About TDK:

TDK Corporation of America (TCA) was established in 1974 in California as the sales and marketing force for electronic components in North America and Latin America. TCA has grown into a sales force of fifteen offices in the U.S. and a headquarter office located in Mount Prospect, Illinois. The combined efforts of sales, marketing and technical personnel have built the TDK name as a respected leader in the industry. Known for reliability and expertise, TDK strives to respond to all customers' needs anywhere in North America. For additional information on TDK products visit our web site at www.tdk.com.

TDK Corporation (NYSE: TDK), a leading global electronics company based in Japan. The company was established in 1935 to commercialize "ferrite," a key material in electronics and magnetics. TDK's current product line includes ferrite materials, electronic components, factory automation solutions, anechoic chambers & test systems, magnetic heads for hard disk drives (HDD) and power supplies. Net sales in FY08 were US\$8.7 billion.

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