

## For Immediate Release

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### **TDK Offers New Set Analysis Service for Best Capacitor Selection**

**Mount Prospect, IL, May 9, 2002**—TDK Corporation of America is announcing a new **Set Analysis Service** that will help customers determine the best capacitor selection for their high capacitance designs. The new TDK service will analyze a customer's new design project or existing set that uses tantalum and aluminum electrolytic capacitors and determines which TDK's Multi-Layer Ceramic Capacitor (MLCC) offers the best capacitance value and performance.

Each set analysis will be tailored to the specific needs of a customer's application, however in the majority of cases, the basic procedure begins with characterizing the circuit board and taking a component inventory from the bill of material, as well as verification of capacitance, actual operating voltage and other critical parameters.

Once the targeted capacitors are identified, analysis is performed on one component. The original capacitor is replaced with a MLCC and the performance is measured. Several MLCC values will be tested in order to find the best capacitance value that offers the best performance, as well as a more cost-effective solution.

MLCC's traditionally did not offer high capacitance values and could not be used in many of the high capacitance applications. However, TDK technological advancements over the last several years have allowed MLCC's to be competitive with Tantalum and

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Aluminum capacitors. MLCC's now offer better performance advantages compared to the alternate technologies and outperform them in many other characteristics including impedance/ESR, voltage withstanding, ripple current and temperature stability.

Companies may find more information by visiting the TDK web site at [www.component.tdk.com](http://www.component.tdk.com) and [download a PDF](#) of the complete brochure of TDK's Set Analysis Service with full detailed reports and examples.

If you need more information please send [inquiry](#) to our technical support.

**About TDK**

*TDK Corporation (NYSE: TDK) is a leading global electronics company based in Japan. It was established in 1935 to commercialize "ferrite," a key material in electronics and magnetics. TDK's current product line includes ferrite materials, electronic components and ICs, wireless computer networking products, magnetic heads for HDD, digital recording hardware and advanced digital recording media. Net sales in FY2001 were US\$5.6 billion. For more information about TDK, please visit [www.tdk.com](http://www.tdk.com).*

*TDK Corporation of America provides a wide range of electronic and optical components including EMC components, inductors, capacitors, optical isolators and faraday rotators. For additional information on TDK products visit our web site at [www.component.tdk.com](http://www.component.tdk.com).*

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