



## For Immediate Release

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## **TDK Begins Mass Production of High-Reliability Inverter Transformers** *New IVT Series of high-voltage transformers designed for LCD backlights*

**Mount Prospect, IL, April 7, 2008**—**TDK Corporation** announced the development and mass production of the ***IVT Series*** of high-voltage transformers for inverters used in liquid crystal display backlights.

Demand for liquid crystal displays used in electronic devices, such as car navigation systems and notebook personal computers, has grown rapidly. As displays become larger and thinner, electronic components must be mounted in increasingly limited spaces. There are calls for the high-voltage transformers that are essential for switching on liquid crystal display backlights in particular to be made smaller, thinner, and lighter. In addition, their use in portable devices such as car navigation systems is also increasing, requiring high reliability under the harsh conditions of automotive use.

To meet these needs, TDK conducted fundamental reviews of manufacturing techniques including the adoption of high temperature resistant wire for winding wire and using laser welding to join the internal contacts. The result was the development of an inverter that is reliable even under demanding automobile environments.

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## 2 – TDK Launches New IVT Series of Inverter Transformers – 2

With an operating temperature of -30°C - 130°C (including temperature increase from self-generated heat), this new transformer is (L × W × H): 39.0 mm (L) × 9.0 mm (W) × 4.8 mm (H)(max.) and has a leakage inductance of 150 mH - 300 mH. Production of this new line has already started in Japan.

### **About TDK Corporation**

*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, wireless computer networking products, magnetic heads for HDD, and advanced digital recording media. For more information about TDK, please visit <http://www.tdk.com> or <http://www.tdk.co.jp>.*

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