



For Immediate Release

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TDK Launches Industry's First* Thin-Film Common Mode Filter for DisplayPort *New Filter Improves Signal Quality on High-Speed Transmission Lines*

Mount Prospect, IL, August 04, 2008 — TDK Corporation announces the launch of the industry's first* wide-band thin-film common mode filter for EMI^{*1} suppression on DisplayPort^{*2} interfaces. The new filter, TCM1210U-500-2P, works as an EMI countermeasure on high-speed data transmission lines in notebook computers, audiovisual equipment and other electronic devices. Mass production begins this month in Japan.

With a measurement of 1.25 mm (L) x 1.0 mm (W) x 0.6 mm (T), this product is designed specifically for suppressing noise on DisplayPort connections, a new standard for signal transmission between computers or audiovisual equipment and display monitors at speeds that exceed even HDMI (2.25 Gbit/s). A DisplayPort link uses up to four lines, each rated for 2.7 Gbit/s, resulting in a total transfer rate of 10.8 Gbit/s. The demand for EMI suppression components in this area of high-speed data transfer is expected to grow significantly in the near future as more electronic devices use DisplayPort technology.

In order to create a product to meet this demand, TDK applied its industry-leading expertise in thin-film magnetic head technology (including proprietary thin film deposition and patterning technologies). With a cutoff frequency of 8.0 GHz, the rating of the new filter is 2 GHz higher than that of the existing thin-film common mode filter for HDMI (TCM1210H-900-2P). Additionally, the filter has an impedance of 50 ohms (at 100 MHz), a rated current of 100 mA and rated voltage of 10V. As a result, the filter offers effective noise control without degrading the outstanding transmission characteristics of high-speed differential transmission line signals.

* As of July 1, 2008, according to TDK investigations.

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Glossary

¹ EMI: Electromagnetic Interference

EMI suppression refers to measures designed to prevent electronic devices from emitting electromagnetic noise. In addition, measures against electromagnetic susceptibility (EMS) are designed to prevent interference from external sources of noise. The two types of measures are together referred to as electromagnetic compatibility (EMC) countermeasures.

² DisplayPort:

A new standard for connection of computers and audiovisual equipment to display monitors. The standard was announced by VESA (Video Electronics Standards Association) in May 2005 and approved in May 2006.

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About TDK:

TDK Corporation (NYSE: TDK), a leading global electronics company based in Japan, employs over 51,000 people worldwide. 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. For more information on TDK products visit our website at www.TDK.com.

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