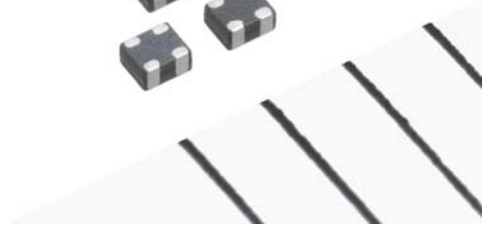




## For Immediate Release

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## **TDK Develops Industry's Smallest\* 0605-Type Thin-Film Common Mode Filter** *New filter ideal for high-speed data transmission lines*

**Mount Prospect, IL, April 7, 2008—TDK Corporation** announced the development of the industry's smallest (0605-type) thin-film common mode filter for EMI<sup>1</sup> countermeasure use on high-speed data transmission lines in mobile electronic devices such as mobile phones and portable digital music players.

This new filter, which measures 0.65 mm (L) × 0.50 mm (W) × 0.30 mm (T) in size, with about a 50% reduction in volume and 35% decrease in mounting area compared to TDK's current product (the TCM1005, which measures 1.00 mm × 0.50 mm × 0.42 mm), makes possible even greater miniaturization of devices.

In addition, the new filter has an even lower profile than earlier components, supporting the creation of optimal use environments for mobile electronic devices such as mobile phones and portable digital music players.

As electronic devices rapidly become more compact even as they incorporate more advanced functions, demands are increasing for smaller electronic components and higher mounting densities. Functions for high-speed transmission of large data volumes such as high-quality images and video are also increasing.

## 2 – TDK Launches New 0605 Common Mode Filter – 2

As a result, creating noise countermeasures that do not adversely affect signal quality on the high-speed differential transmission lines used to convey these various types of data has become a critical issue.

The new filter employs TDK's thin-film magnetic head technologies (including original fine pattern conductor formation and film formation technologies), which have an established track record at the industry's highest levels, to respond to these demands. Therefore, the filter offers considerable miniaturization as well as outstanding transmission characteristics and noise control that do not have an adverse impact on high-speed differential transmission line signals.

The TCM 0605 has a rated voltage of 10 Vdc and rated current of 50 mAdc - 100 mAdc. Product begins this month in Japan. For more information about this product contact your local TDK sales representative or visit our website at [www.tdk.com](http://www.tdk.com).

### **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>.*

- As of February 2008, according to TDK investigations.

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