



For Immediate Release



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TDK Develops Industry's First* 1608-Size, High-Attenuation Band-Pass Filter

Low-loss, high-attenuation, compact multilayer filter for 2.4 GHz wireless LAN and Bluetooth

TOKYO JAPAN, September 29, 2008—**TDK Corporation** announced that it has developed a multilayer band-pass filter for 2.4 GHz wireless LAN and Bluetooth applications that achieves the same low-loss and high-attenuation characteristics of earlier products. The new filters adopt an innovative design with a compact resonator and a low-loss structure for the resonator connector to achieve the industry's first* low-loss, high-attenuation filter in a 1608-size component resulting in 40% less volume. Production for the new filter began in September.

As mobile communications terminals such as mobile phones have been made smaller and lighter while functioning at higher speeds and higher frequencies, there have been rising demands in recent years for the high-performance electronic components used in such devices to become more compact and slimmer. Equipping such devices with short-range wireless communications systems such as wireless LAN and Bluetooth has made possible high-speed, high-volume data communications, and use of such devices is expected to grow substantially in the future.

Band-pass filters are a type of electronic component that isolate the necessary electrical signal by allowing only certain frequencies to pass through. This filter will contribute to the miniaturization of mobile devices as well as space and power savings.

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This filter is ideally suited for use in handsets, modules and applications where WLAN and Bluetooth systems will be co-located near cellular radios. The filter provides the required attenuation needed to reduce the cellular signals from interfering with the WLAN and Bluetooth radios. TDK is developing a series of these filters with unique Insertion Loss and Attenuation characteristics.

Samples are available to qualified customers.

Main Electrical Characteristics

| | Frequency (MHz) | Specifications (dB) |
|-----------------------|-----------------|---------------------|
| Insertion Loss | 2400–2500 | 3.0 max. |
| Attenuation | 1920–1990 | 40 min. |
| | 2110–2170 | 30 min. |
| | 4800–5000 | 30 min. |

* As of September 2008, according to TDK investigations.

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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.