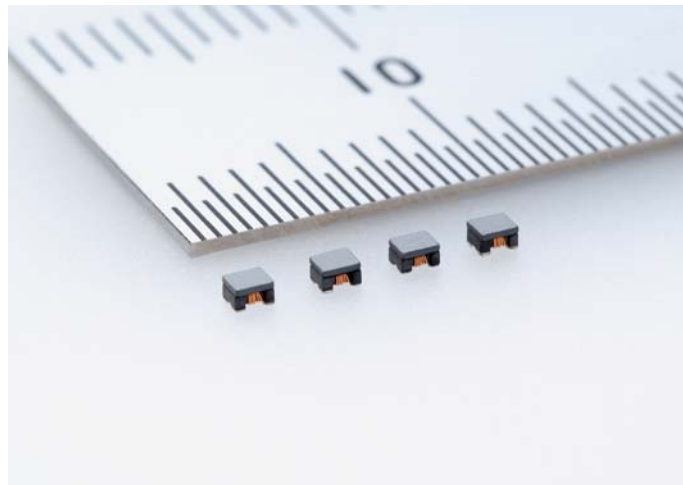


For immediate release

**Taiyo Yuden Introduces Industry-First Common Mode Choke  
Coil with 10 GHz Cut Off Frequency**  
*25% Higher Cut Off Frequency, Ideal for USB 3.0 Applications*



TOKYO, July 7 2009 — Taiyo Yuden Co., Ltd. announced today the release of a new, compact, wire-wound common mode choke coil with an industry-leading cut off frequency. The new CM01S600 measures only 1.2 x 1.0 mm, with a maximum height of 0.9 mm. Its cut off frequency is 10 GHz (typical value), ideal for cutting-edge interfaces such as USB 3.0 and DisplayPort. Leading the way, Taiyo Yuden’s new common mode choke coil is the first to be designed specifically for USB 3.0 applications.

Mass production of the product will begin in September 2009 at the company’s Nakanojo Plant in Gunma Prefecture, Japan, at an initial pace of 3 million units per month. The company expects production eventually to reach 11 million units per month. The price for samples is 20 yen per unit.

**Technology Background**

USB technology is one of the most popular data-transfer interfaces in the world, used primarily with personal computers. The latest version, the USB3.0 specification, was published in November 2008, and is expected to increase the speed of data transfer between PCs and mass storage devices like external hard-disk drives or high definition-compatible digital cameras. USB3.0 will be more than 10 times faster than the previous version (USB2.0), and more and more PCs are expected to be compatible with USB3.0 in the future.

Using USB3.0 in actual devices presents some technical challenges, however. It employs high-speed differential signal transmission that operates even faster than that of earlier versions of USB, so practical applications of USB3.0 will require the resulting common mode noise to be removed. This means that a common mode choke coil with better high-frequency characteristics is

needed. Taiyo Yuden has met this challenge in a size of just 1.2 x 1.0 mm by using an extremely precise, wire-wound structure in its new CM01S600, taking advantage of the ability of a wire-wound structure to deliver excellent high-frequency characteristics. With this innovation, the company has achieved a cut off frequency of 10 GHz, a 25% percent improvement over its previous products.

CM01S600 Characteristics at a Glance

Ordering code	Common mode impedance [Ω at 100MHz]	DC Resistance [Ω]	Rated current [mA]	Rated voltage [V]	dielectric resistance [MΩ]	Cut off frequency [GHz]	Characteristic impedance [Ω]
CM01S600	60 typ.	0.4 max.	300 max.	20 max.	100 min.	10.0 typ.	90 typ.

"Typ." indicates typical values.