



For Immediate Release

Contact in Japan:

Nobuyuki Koike
TDK Corporation
Tel: +81-3-5201-7102
E-mail: pr@mb1.tdk.co.jp

Contact in U.S.:

Sara Reynoso
TDK Corporation of America
Tel: 847-390-4419
E-mail: sreynoso@tdktca.com

TDK Launches the Industry's First* Common-Mode Filter Designed for In-Vehicle ECU Power Line Conditioning**

*Operating temperature range is -40°C to +125°C,
corresponding to the severe environment within an engine compartment*

TOKYO, JAPAN, April 18, 2006— TDK Corporation announces the development of the *ACM90V-701-2PL* common-mode filter designed for in-vehicle power line conditioning. The component is used for noise suppression for the power supply lines of ECU, vehicle navigation, and other devices.

The new filter's operating temperature of -40°C to +125°C exceeds TDK's previous component operating temperature. Dimensions of this power line noise suppression SMD device are 9.0mm (L) x 7.0mm (W) x 4.3mm (T).

In the automotive field electronic control technology is rapidly advancing and the percentage of ECU-equipped vehicles is increasing. In particular, the rapid increase in ECU's installed in severe temperature environments, such as the engine compartment, are increasing the requirements of noise suppression component capabilities. In this case, noise suppression components with high temperature resistance and high reliability are highly desirable.

In response to these market demands, this product incorporates high temperature resistant insulation-coated wire and product construction emphasizing shock and vibration resistance. Specifically, this product achieves an operating temperature range of -40°C to +125°C.

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The reliability that these features provide make this common-mode filter ideally suited for in-vehicle ECU power line conditioning.

TDK will exhibit the ACM90V-701-2PL in its booth at Techno-Frontier 2006 (Noise Reduction & Damping Technology 2006) at the Makuhari Messe International Convention Center beginning April 19.

Major Features:

1. *Operating temperature range*

-40°C to +125°C

2. *Reliability assurance testing*

Thermal shock test between -40 °C and +125 °C, with 30 minute hold times, for 1000 cycles.

3. *Lead free*

This product contains no lead or lead compounds, and can be mounted using lead-free processes.

Primary Specifications

Product Name	Common-Mode Impedance (Ω)	Current Rating (A)	Voltage Rating
ACM90V-701-2PL	700	5.0	80

* As of April 3, 2006 according to TDK investigation.

Explanation of Terminology

** ECU: Electronic Control Unit. Originally the primary purpose of an in-vehicle ECU was engine control. Recently ECU's have been used to control a variety of drive system functions including ABS and EPS.

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.component.tdk.com> or <http://www.tdk.co.jp>.