

Piezo actuators

PowerHap™ evaluation kits for haptic feedback

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TDK Corporation (TSE:6762) presents two evaluation kits that provide an initial impression of the varied possibilities of haptic feedback that can be realized with PowerHap™ piezo actuators.

The BOS1901-Kit development kit is designed for and includes three 60 V actuators. The ordering code for the kit is Z63000Z2910Z1Z44. The board is based on the CapDrive™ driver architecture from Boréas Technologies, a developer of ultra-low-power haptic technologies with which TDK Electronics has signed a cooperative agreement. The main features of the BOS1901 piezoelectric driver are its small dimensions, low current consumption and fast response times.

The second evaluation kit is suitable not only for the 60 V PowerHap types, but also the 120 V types, and is available in two versions: A driver for one actuator (Z63000Z2910Z1Z1), and driver for up to five actuators (Z63000Z2910Z1Z7). These kits likewise contain three types of PowerHap actuators.

Both kits feature a USB interface and offer extensive setting options with regard to voltage amplitude, frequency, pulse repetition rate, signal shape and sensor functionality.

About TDK Corporation

TDK Corporation is a leading electronics company based in Tokyo, Japan. It was established in 1935 to commercialize ferrite, a key material in electronic and magnetic products. TDK's comprehensive portfolio features passive components such as ceramic, aluminum electrolytic and film capacitors, as well as magnetics, high-frequency, and piezo and protection devices. The product spectrum also includes sensors and sensor systems such as temperature and pressure, magnetic, and MEMS sensors. In addition, TDK provides power supplies and energy devices, magnetic heads and more. These products are marketed under the product brands TDK, EPCOS, InvenSense, Micronas, Tronics and TDK-Lambda. TDK focuses on demanding markets in the areas of information and communication technology and automotive, industrial and consumer electronics. The company has a network of design and manufacturing locations and sales offices in Asia, Europe, and in North and South America. In fiscal 2019, TDK posted total sales of USD 12.5 billion and employed about 105,000 people worldwide.

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Contacts for regional media

Region	Contact		Phone	Mail
Europe	Mr. C. JEHLE	TDK Electronics AG Munich, Germany	+49 89 54020 2441	christoph.jehle@tdk-electronics.tdk.com
North America	Ms. D. MARTIN	TDK Electronics Inc. Fountain Hills, AZ, USA	+1 480 836 4104	debbie.martin@tdk-electronics.tdk.com
South America	Mr. C. DALL'AGNOL	TDK Electronics do Brasil Ltda., Gravataí, Brazil	+55 51 3484 7158	candido.dallagnol@tdk-electronics.tdk.com
India	Mr. G. DALVI	EPCOS India Private Ltd. Mumbai, India	+91 22 2575 0804	girish.dalvi@tdk-electronics.tdk.com
Greater China	Ms. S. SUEN	TDK Electronics Hong Kong Limited, Hong Kong	+852 3669 8224	stella.suen@tdk-electronics.tdk.com
Japan	Mr. Y. OSUGA	TDK Corporation Tokyo, Japan	+813 6778 1055	pr@jp.tdk.com