

Exhibitions

TDK showcases its innovative product portfolio of electronic components and solutions at electronica China 2024

- TDK joins electronica China 2024, demonstrating its component & system solution portfolio in exhibition hall E6, #6506
- TDK offers multiple demonstrations and experiences for attendees to immerse themselves in the latest solutions within automotive, IoT, AR/VR, Beyond 5G, industrial & renewable energy, robotics and medical & healthcare

July 1, 2024

TDK Corporation (TSE:6762) will showcase its latest electronic component and sensor innovations at the electronica China in Shanghai New International Expo Center, Pudong Shanghai from July 8th to 10th, 2024. The TDK booth located in exhibition hall E6, #6506, will feature solutions for mobility (xEV, ADAS), renewable energy, industrial robotics, AR/VR, the Internet of Things, information and communication technology and medical & healthcare. Among the products on display are capacitors, inductors, magnetics and protection components, sensors and modules, power supplies, battery cells and many more.

Product highlights and demonstrations:

- **Wireless Power Transfer:** TDK's new dramatically thinner pattern coils are set to revolutionize wireless charging. Through unique TDK pattern coil technology, the product achieves industry-leading 0.76 mm thickness, supports significantly larger charging area and complies with Qi wireless charging standard.
- **Full-Color Laser Module / Smart Glasses:** Full-color laser module that can be projected directly onto the retina for AR/VR applications.
- **Cu Mesh Antenna TMA Series:** This product can also be pasted on the mobile display. It is not necessary to store the antenna inside the mobile phone and other devices, which can achieve high functionality and miniaturization of the device. Low visibility is achieved through the line width of 1µm and the blackening of copper. It can be placed anywhere without considering the antenna.
- **NFC Antenna MSC Series:** Using TDK magnetic sheet and coating technology, a coated coil is embedded in the magnetic sheet to achieve an ultra-thin NFC antenna that is resistant to high temperatures (up to 125°C). It also achieves a longer communication distance. The device can be used for in-vehicle applications and provides products with improved temperature characteristics.
- **New dual-die stray-field robust 3D position sensors:** HAR 3920-2100 (dual die) is a precise hall-effect position sensor with robust stray-field compensation capabilities with ratiometric analog and switch outputs. The sensor is defined as ASIL C- ready and can be integrated in automotive safety-related systems up to ASIL D.
- **Smarter Hearables (True Wireless Stereo):** TWS devices show 360 spatial audio and active noise cancellation, enabled by TDK's ultra-low power **VibeSense360™ motion sensor** solution.
- **Low power MEMS microphone with I²S interface:** T5848 I2S microphones with Acoustic Activity Detect (AAD) provide high sound fidelity at ultra-low power, enables IoT and edge AI applications including wearables,

TWS earbuds, AR glasses, smart speakers, home security, action cameras, TV remotes and various AI systems.

- **Ceramic solid-state SMD battery, CeraCharge:** CeraCharge is based on TDK's advanced multilayer ceramic technology, which has the advantage of being suitable for mass production. Its solid ceramic electrolyte eliminates the risk of leakage and fire, while also having other practical features, including: 1.5V nominal voltage, 100μAh capacity and a -20°C to 80°C operating temperature range.
- **PowerHap multilayer piezo-ceramic actuators:** a single PowerHap 6005 can adequately serve a display weighing up to 2kg. The display equipped with the powerful PowerHap 6005 will let a driver intuitively recognize button controls without having to look at the screen.
- **ModCap products use bio-circular materials:** even existing products can be made more sustainable by using raw materials from sustainable sources. One example is TDK's film capacitor series ModCap where innovative sustainable films are applied.
- **MediPlas plasma system:** MediPlas utilizes oxygen and nitrogen in the air to generate, on the spot, reactive oxygen and nitrogen species (RONS) like nitrogen oxides and hydrogen peroxide as well as ozone to disinfect medical equipment safely and efficiently.
- **Leading-edge 1kW/800W medical AC-DC power supply:** Industrial leading power density, Compact 3.3" x 6.6" x 1.67" size, up to 95% high efficiency, variable speed FAN and 30-45dBA acoustic noise.

About TDK Corporation

TDK Corporation is a world leader in electronic solutions for the smart society based in Tokyo, Japan. Built on a foundation of material sciences mastery, TDK welcomes societal transformation by resolutely remaining at the forefront of technological evolution and deliberately "Attracting Tomorrow." It was established in 1935 to commercialize ferrite, a key material in electronic and magnetic products. TDK's comprehensive, innovation-driven 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 automotive, industrial and consumer electronics, and information and communication technology. The company has a network of design and manufacturing locations and sales offices in Asia, Europe, and in North and South America. In fiscal 2024, TDK posted total sales of USD 14.6 billion and employed about 101,000 people worldwide.

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