

Service

Powerful Ferrite Magnetic Design Tool

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TDK Corporation (TSE:6762) presents its completely revised Magnetic Design Tool with enhanced functionality. The updated tool now enables the fast and easy calculation and graphical representation of application-related parameters for all EPCOS ferrite materials, including new materials for high-frequency switch-mode power supplies, and core shapes. The powerful Magnetic Design Tool is available as a browser-based application and has been tested in commonly used browsers such as Chrome, Firefox, Internet Explorer and Opera. Alternatively, it can be downloaded and used with Windows 10. In the current version, the Magnetic Design Tool allows users to define the parameters for their own cores and then use them in their calculations. The versatile tool can be used to calculate and display the most important material properties, such as power loss versus frequency, flux density, temperature and the performance factor. In addition, it can also perform a comprehensive range of core calculations, including the AL-value in dependence to the air gap, the determination of transferable power, or the calculation of impedance versus frequency.

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.

You can download this text and associated images from www.tdk-electronics.tdk.com/en/200116.

Further information on the tool can be found under <https://tools.tdk-electronics.tdk.com/mdt/>

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