

Automotive qualified standard core series

E-mobility made easy

Hanau - The trend towards electromobility is accompanied by a strong expansion of the charging infrastructure and the increasing demand for future-oriented technical solutions for a large number of applications. The latest product development from VACUUMSCHMELZE (VAC) are highly permeable, nanocrystalline cores for common-mode suppression. This standard series, Automotive qualified according to AEC Q200, is now available in a sample case.



The cores were developed for the use on the high-voltage DC battery or on the DC output of the drive inverter as well as on the AC output of the drive inverter in hybrid and electric vehicles. The new series is available in two permeability levels, the values for toroidal cores are $\mu = 30,000$ and $\mu = 100,000$, for oval cores they are $\mu = 30,000 / 70,000$. The designs take into account "Technical Cleanliness" according to VDA 19 Part 2 and the ZVEI guideline "Technical Cleanliness in Electrical

Engineering". The sample case contains both, ring and oval cores, in all available dimensions.

"The cores are one of our highlights at this year's PCIM Guided Tour on the subject of e-mobility. We are taking the opportunity to present our solutions for electric drives and the accompanying components for power electronics and charging infrastructure. These are also the focus of our presentation "Powerful magnetic solutions for electric vehicles and the developing charging infrastructure" at the E-Mobility Forum," says Norman Lemm, Head of Business Intelligence & Marketing at VAC.

VACUUMSCHMELZE (VAC) is among the world's most highly innovative developers of magnetic materials, inductive components and other related products. With a global network of Sales and Field Application Engineers, VAC designs and manufactures tailor-made solutions for a wide variety of industries, comprising renewable energies, automotive, industrial automation installation technology, and aviation.

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