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Nanocrystalline Low Cost standard range of toroidal cores for Common-Mode EMI Chokes

Since many years, chokes with nanocrystalline cores are - in a technical sense - the best choice for EMI filters for any kind of switched power supply. This is in particular true, if small build volume and highest attenuation levels are both required at the same time. But in many projects compromises have to be made due to cost restrictions and standard solutions such as ferrites are designed in.

The new range of **NANOPERM LC** (low cost) cores from the German manufacturer MAGNETEC now offers an advantageous alternative also for cost sensitive applications – within the same build volume. The cores are designed with a relatively small 'wall thickness' and the outer diameters are the same as for the established Ferrite solutions. This saves material and thus also cost. The concept works because of the very high effective permeability of the nanocrystalline core material.

The technical advantages are a very high operational temperature of up to 180°C, the extreme robustness of the cores and the typical wideband attenuation characteristic up to the MHz-range.

The new cores of the **NANOPERM LC** series are offered to public besides MAGNETEC's other new developments during this year's PCIM in Nuremberg.

Further Informations:

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