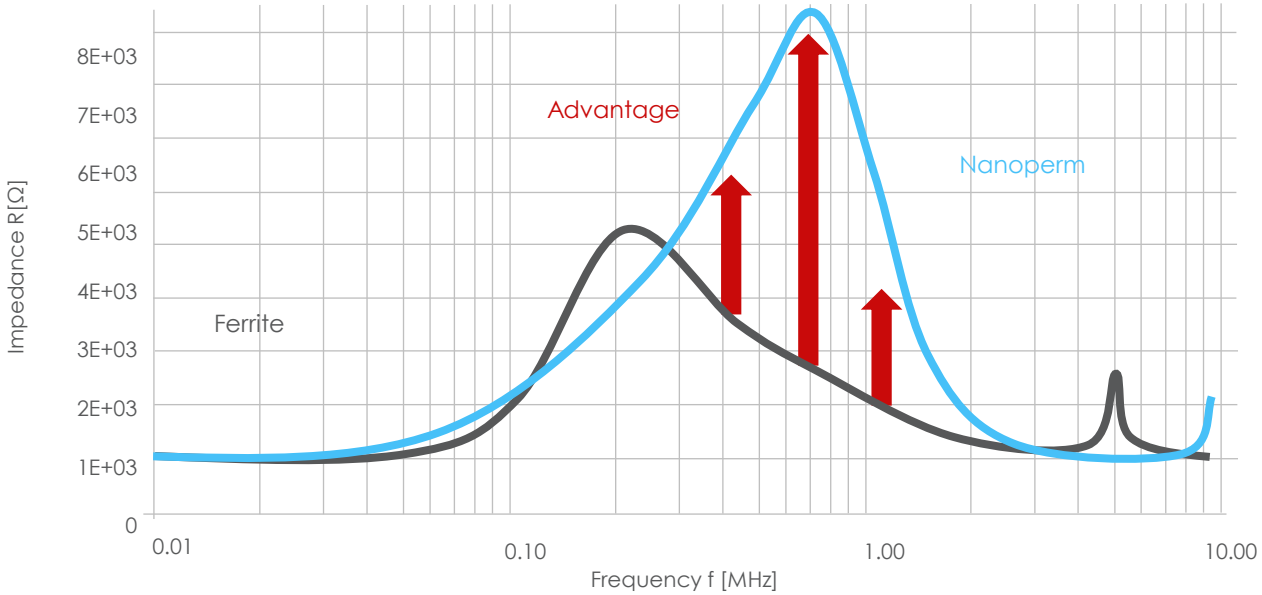
Nanoperm®

4-fold common-mode RFI/EMI suppression chokes acc. to EN60938-1 for mains filter applications

Magnetec

- High inductance and high impedance in a wide frequency range
- Advanced EMI suppression over a wide frequency range
- Low saturation flux density drop at high temperatures
- High operational temperature up to 130°C
- Significantly lower power loss and reduced over-temperature



Magnetec offers this standard range of 4-fold common-mode chokes based on nanocrystalline tape wound cores from Nanoperm for any EMI filter application compared to widely spread ferrite versions, Magnetec's nanocrystalline solutions enable significantly smaller and lighter EMI suppression filters. In frequency inverter applications the smaller size enables to integrate former external filters into the inverter housing which is a very attractive option for the market. Furthermore, the smaller design results in lower copper losses and thus lower overtemperature and reduced cooling cost.

Types	I_{nom} [A] convection cooling	L_{nom} @10kHz [mH]	Rcu [mΩ]	Pin-Ø [mm]	style	Dimensions [mm] $Do_{max}xDi_{min}xH_{max}$
MB-394	12	4 x 6,9	< 9,4	1,4	flat	33 x 51 x 51
MB-395	20	4 x 3,5	< 3,6	1,8	flat	33 x 51 x 51
MB-396	30	4 x 3,1	< 2,4	2,5	flat	33 x 51 x 51
MB-397	40	4 x 1,4	< 1,3	2,8	flat	33 x 51 x 51

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