

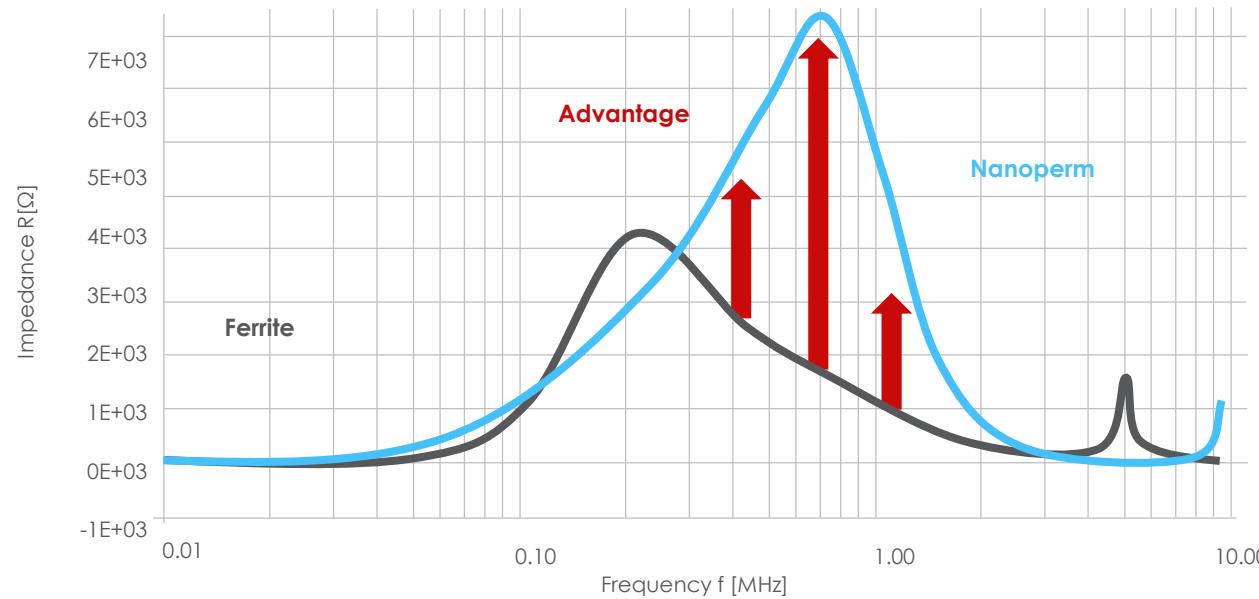
High inductance and high impedance in a wide frequency range

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



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

Types	I _{nom} [A] convection cooling	I _{nom} [A] forced cooling	*I _{sat} [mA]	L _{nom} @10kHz [mH]	L _s [μH]	R _{cu} [mΩ]	Pin-Ø [mm]	style	Dimensions [mm] D _o _{max} x D _i _{min} x H _{max}
<u>MB-074¹</u>	3,5	5	80	3 x 6	~ 20	< 40	0,8	upright	38 x 36 x 21
<u>MB-049¹</u>	5	7	60	3 x 8	~ 60	< 36	1,12	flat	42 x 42 x 27
<u>MB-650¹</u>	10	14	110	3 x 11	~ 56	< 15	1,6	flat	60 x 60 x 29
<u>MB-687</u>	12	17	450	3 x 2,5	~ 7	< 9	1,25	upright	47,5 x 47 x 26
<u>MB-652</u>	17	24	300	3 x 3	~ 30	< 7,9	1,8	flat	59 x 59 x 27
<u>MB-637</u>	14	20	80	3 x 4,4	~ 12	< 5,5	1,4	flat	69 x 69 x 29,5
<u>MB-540</u>	15	20	85	3 x 15	~ 16	< 7,0	1,8	flat	48,5 x 48,5 x 26
<u>MB-617</u>	16	22	90	3 x 11	~ 9	< 6	1,8	flat	59,5 x 59,5 x 36,5
<u>MB-634</u>	20	28	400	3 x 1,7	~ 14	< 4,85	2,0	flat	52 x 52 x 34
<u>MB-427</u>	20	28	4760	3 x 0,31	~ 8	< 2,6	2,5	upright	60 x 30 x 60
<u>MB-653</u>	22	31	270	3 x 4	~ 19	< 4,8	2,24	flat	99,5 x 99,5 x 38
<u>MB-157</u>	25	35	300	3 x 6,2	~ 22	< 5,5	2,36	flat	69 x 69 x 37
<u>MB-043</u>	22	31	300	3 x 1,5	~ 8	< 2,6	2,5	flat	75 x 75 x 34
<u>MB-054</u>	27	38	300	3 x 3,2	~ 9	< 2,6	3,0	flat	60 x 60 x 30
<u>MB-367</u>	28	40	800	3 x 1,2	~ 0,7	< 1,8	3,0	flat	73 x 73 x 35
<u>MB-047</u>	30	42	350	3 x 4	~ 20	< 3,8	5,0	upright	70 x 45 x 70
<u>MB-691</u>	35	50	150	3 x 3	~ 4	< 1,6	2,5	flat	81 x 81 x 62
<u>MB-426</u>	45	64	6660	3 x 0,16	~ 4,5	< 0,95	2 x 2,5	flat	60 x 60 x 34
<u>MB-656¹</u>	60	85	450	3 x 3,5	~ 17	< 1,35	2 x 3,35	flat	99,5 x 99,5 x 38
<u>MB-657¹</u>	100	140	500	3 x 2,5	~ 10	< 0,85	11,5	flat	115 x 115 x 50
<u>MB-058¹</u>	160	225	1200	3 x 2	~ 10	< 0,5	22,5	flat	130 x 130 x 55

For all information no liability assumed; *Isat: "Quasi Saturation Current" @ B = 1,0 T / μ_{nom} / N = 1, Saturation current Isat of Nanoperm: Peak value of the exiting current when the initial inductance level is dropped to 10 per cent, see www.magnetec.de Overtemperature needs to be checked in the application. Environment temperature usually at 70°C, see datasheets, at another environment temperature, the new nom. current can be estimated acc. to the derating theory: www.magnetec.de/derating. In forced cooling condition, double R_{th} value is assumed.

¹preliminary