

Low cost – can replace ferrite solutions

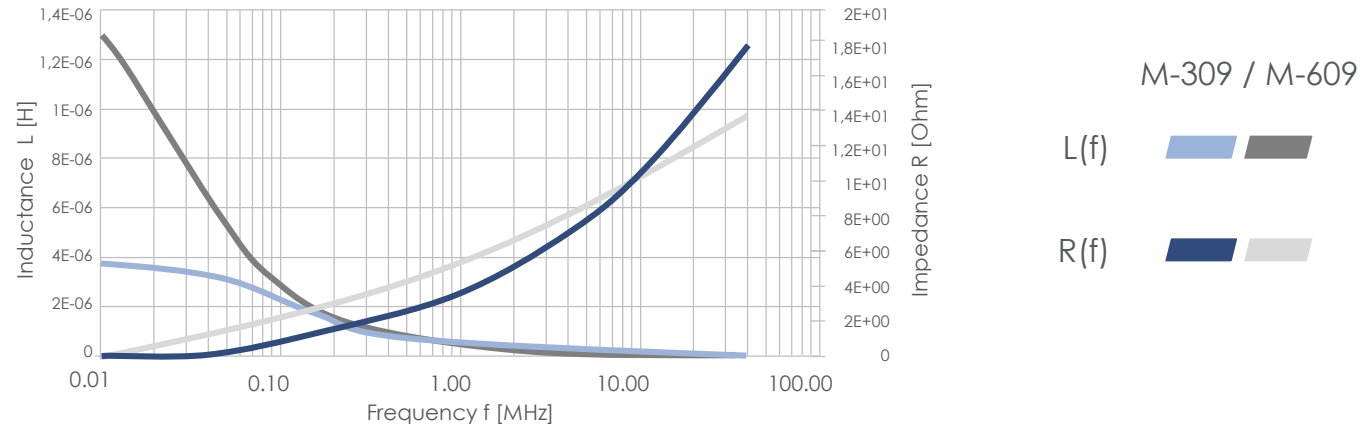
Small volume and lower weight

High temperature stability up to 130°C

Advanced and uniform attenuation

Broadband and high attenuation level

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With the low cost (LC) type line MAGNETEC has specially designed cores for common mode filter chokes; i.e. high attenuation is achieved with a minimum of core material. This is a new alternative to existing Ferrite based solutions. The big inner hole makes a high number of turns possible. Two permeabilities levels are available, M-3xx having a permeability of 30.000@10 kHz and M-6xx having a permeability of 90.000@10 kHz.

Types 30.000	Types 90.000	Nominal dim. [mm] do x di x h	Finished dim [mm] Do _{max} xDi _{min} xH _{max}	Al [μH] @ 10kHz 30.000	Al [μH] @ 10kHz 90.000	Lfe [cm]	Afe [cm ²]
M-306	M-606	16 x 11 x 5	18,4 x 8,6 x 7,0	5,9 – 11,8	18,4 – 36,8	4,2	0,1
M-307	M-607	20 x 15 x 5	22,4 x 12,6 x 7,5	4,5 – 9,1	14,1 – 28,3	5,5	0,1
M-308	M-608	25 x 20 x 5	27,7 x 17,1 x 7,5	3,5 – 7,0	11,0 – 21,9	7,0	0,1
M-309	M-609	30 x 25 x 5	32,7 x 22,0 x 7,5	2,8 – 5,7	9,1 – 18,0	8,6	0,1
M-310	M-610	40 x 35 x 5	42,5 x 31,8 x 7,5	2,1 – 4,2	6,3 – 12,5	11,8	0,1
M-333	M-633	50 x 45 x 5	52,2 x 41,8 x 7,5	1,6 – 3,3	4,6 – 9,1	14,9	0,1
M-334	M-634	60 x 55 x 5	62,0 x 51,6 x 7,5	1,3 – 2,8	4,3 – 8,6	17,7	0,1
M-335	M-635	70 x 65 x 5	72,0 x 61,4 x 7,5	1,1 – 2,3	3,6 – 7,3	20,9	0,1

Only for information, no guaranteed values. 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