

Cased in a high temperature resistive Rynite 530L housing

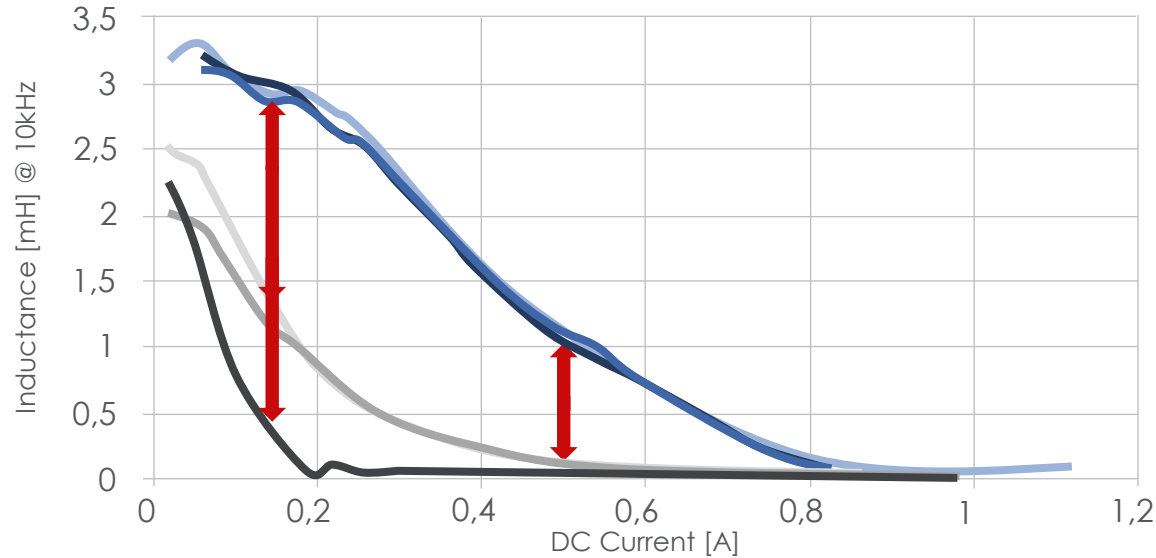
RTI value of 155°C (UL file E41938)

High temperature operation up to 180°C

Temperature class H 180°C (UL file E69939)

Low saturation flux density drop at high temperatures

Magnetec GmbH
0049 6181 18 03 90
www.magnetec.de
info.germany@magnetec.de



Nanoperm / Ferrite

102 °C [Dark Blue / Dark Grey]

70 °C [Medium Blue / Grey]

25 °C [Light Blue / Light Grey]



NANOPERM has a curie temperature of about 600°C so it is very temperature stable. The limiting factor for high temperature applications is the plastic fixation material. MAGNETEC offers a new product line of NANOPERM in a high temperature resistant case consists of Dupont Rynite 530L. Rynite 530L have a RTI value of 155°C (UL file E41938) and the temperature class H 180°C (UL file E69939) in combination of selected insulation materials.

Types	Nominal dim. [mm] do x di x h	Finished dim [mm] Do _{max} xDi _{min} xH _{max}	Al [uH] @ 10kHz	Al uH @ 10kHz	Lfe [cm]	Afe [cm ²]	μr@ 10kHz	Isat* [mA]
M-841	16x10x6	18,2x7,8x8,4	30-60	>6,3	4,0	0,12	~100k	319
M-919	20x12,5x8	22,5x10,3x10,6	33-67	>8,9	5,11	0,24	~90k	500
M-842	25x20x10	27,8x17,0x12,6	22,5-41,3	>5,6	7,1	0,20	~90k	620
M-833	25x16x10	28,2x13x12,8	40-80	>10,8	6,34	0,32	~90k	560

only for information, no guaranteed values For all information no liability assumed. **Quasi Saturation Current! @ B = 1,0 T / μ_{nom} / N = 1