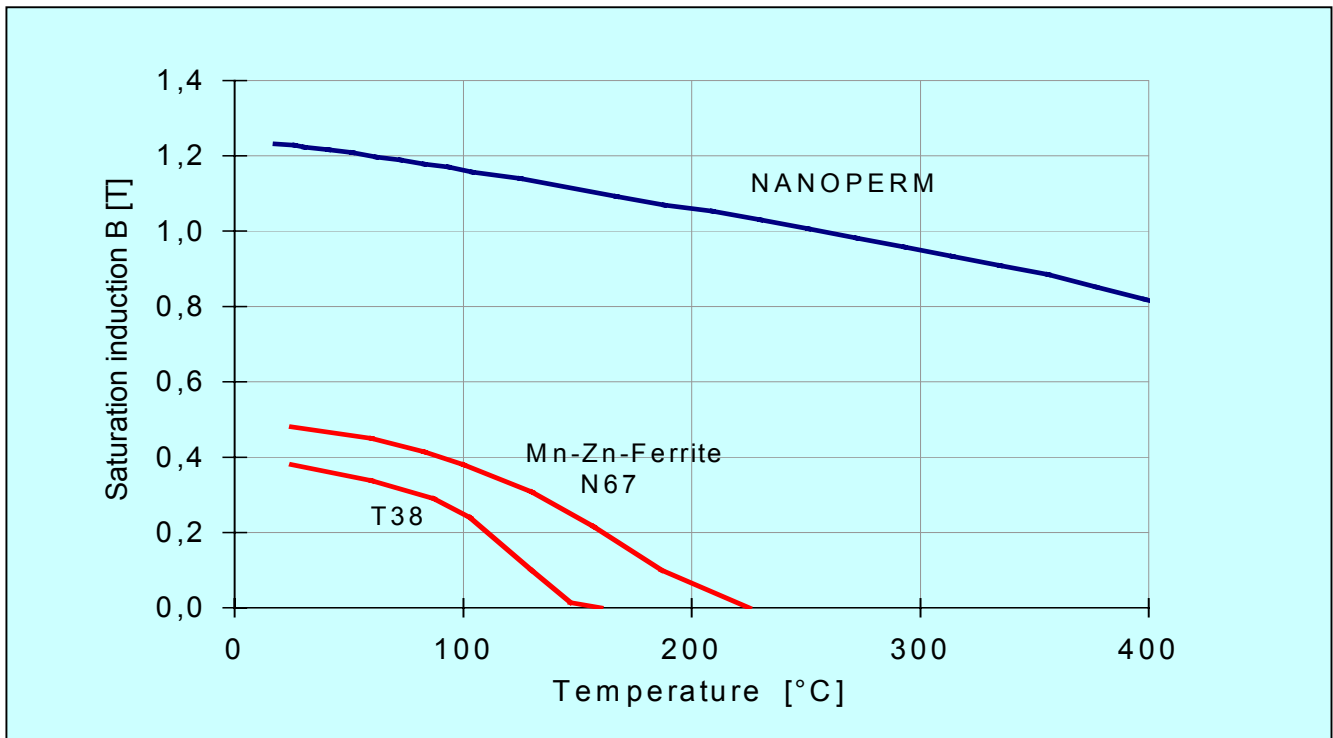


Comparison NANOPERM® - Ferrite



Saturation flux density as function of temperature

Alloy	Permeability μ_r @ 10kHz / 100kHz	Saturation induction B_s [T] @ 25°C / 100°C	Curie temperature T_c [°C]	Max. working temperature [°C]
Ferrite E37	15.000 / 12.000	0,38 / 0,21	> 130	95
Ferrite T38	10.000 / 10.000	0,38 / 0,23	> 130	95
NANOPERM	100.000 / 20.000	1,2 / 1,18	600	120 (180)
	80.000 / 28.000	1,2 / 1,18	600	120 (180)
	30.000 / 20.000	1,2 / 1,18	600	120 (180)

NANOPERM vs. Ferrite:

- NANOPERM permeability is up to 10 times higher
- NANOPERM saturation induction is 3 times higher
- NANOPERM working temperature range up to 180°C
- NANOPERM price is appr. 1,5 – 2-fold higher

NANOPERM affords advanced, smaller and lighter components