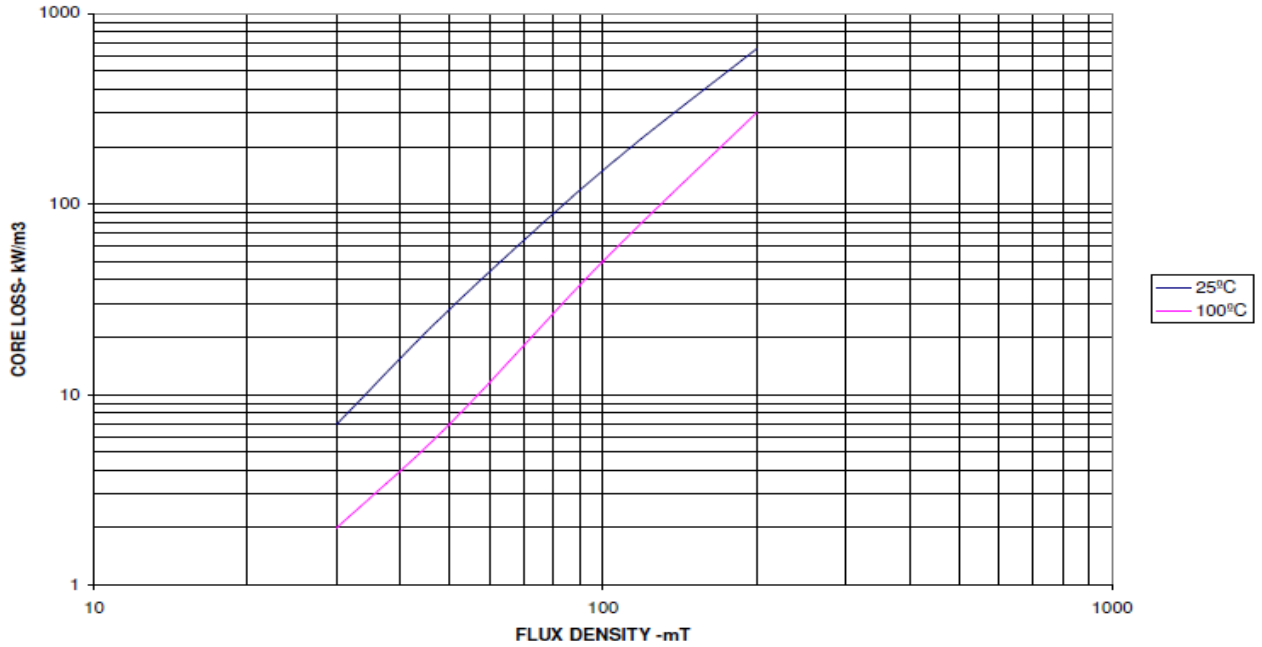


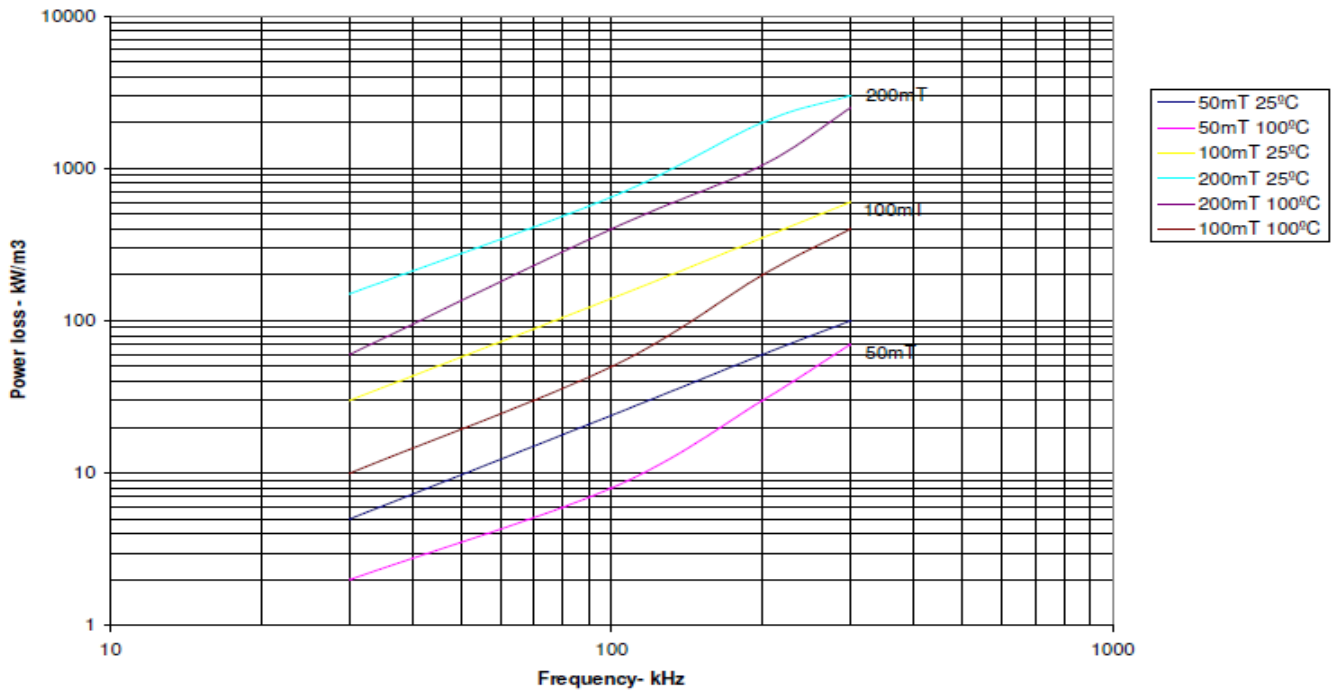
Material Properties

Material	CF 139		
Base Material	MnZn		
Property	Symbol	Unit	
Initial Permeability (T = 25 °C)	μ_i		2100±20%
Flux density H = 1000 A/m, f = 10 kHz)	B_s (25 °C) B_s (100 °C)	mT mT	490 390
Residual Flux Density	B_r (25 °C)	mT	180
Coercivity	H_c (25 °C)	A/m	21
Power loss density 100 kHz, 100 mT, 100 °C 100 kHz, 200 mT, 100 °C 300 kHz, 100 mT, 100 °C 500 kHz, 50 mT, 100 °C	P_v	kW/m ³ kW/m ³ kW/m ³ kW/m ³	< 60 <380 <390 <215
Curie Temperature	T_c	°C	>210 °C
Sec. Max. Permeability	SMP	°C	90 – 110
Resistivity	ρ	Ωm	8
Density	d	Kg/m ³	4800
Core Shapes			RM, P, PM, EP, PTS, POT, PQ, E, EC, ETD EFC, EI, EER, EFF, Toroid

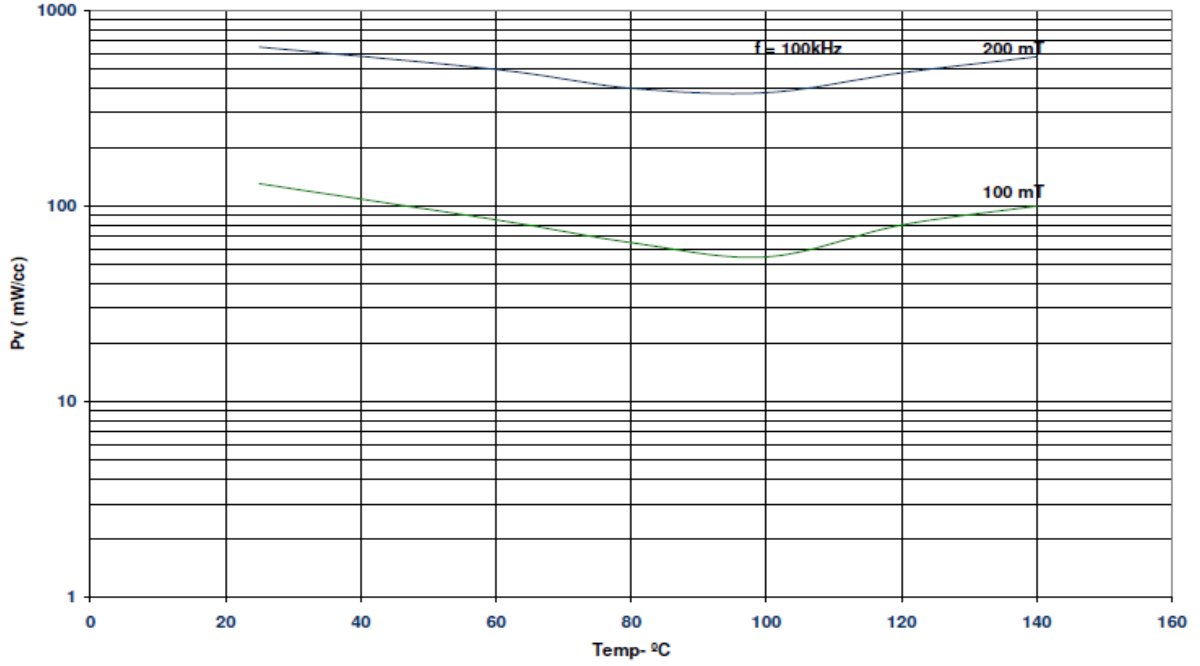
Core loss versus flux density



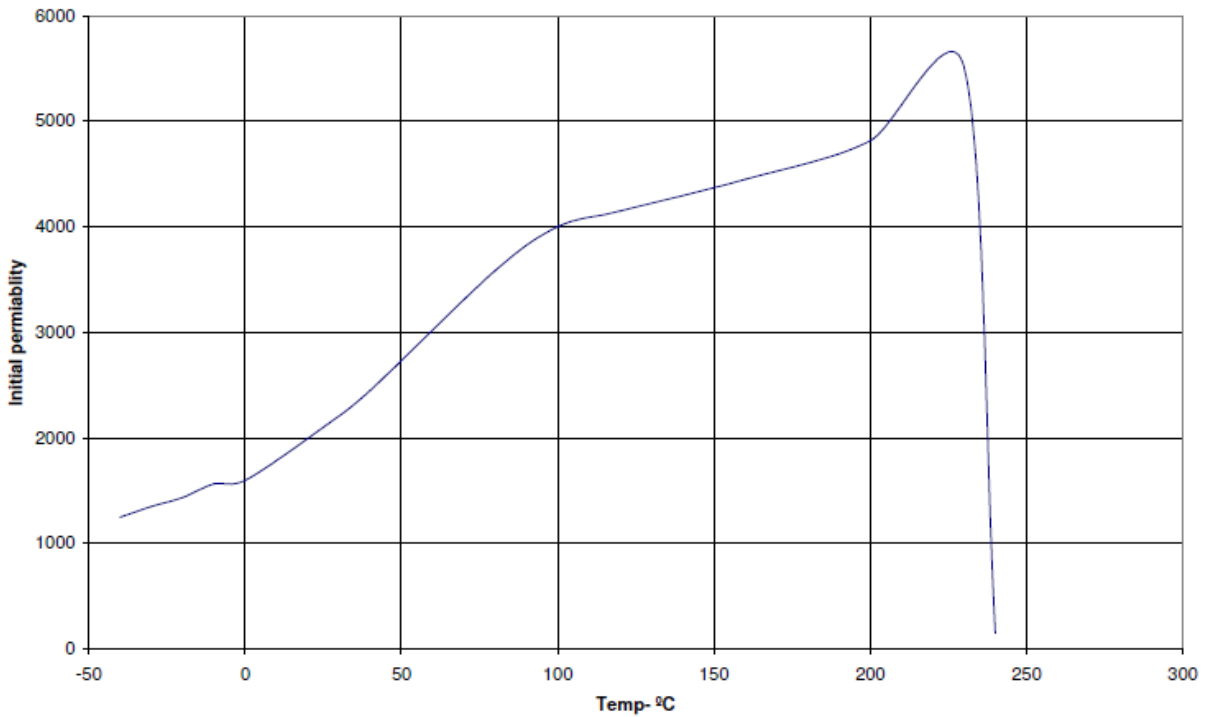
Core loss versus frequency



Core loss versus Temperature (Measured on T2512 Toroids)



Initial Permeability versus Temperature (Measured on T2512 Toroids)



Initial Permeability versus frequency (Measured on T 2512 Toroids)

