

Material Properties

Material	CF 196		
Base Material	MnZn		
Property	Symbol	Unit	
Initial Permeability (T = 25 °C)	μ_i		2000±20%
Flux density H = 1000 A/m, f = 10 kHz)	B_s (25 °C) B_s (100 °C)	mT mT	500 400
Residual Flux Density	B_r (25 °C)	mT	210
Coercivity	H_c (25 °C)	A/m	16
Power loss density 16 kHz, 200 mT, 25 °C 100 °C 25 kHz, 200 mT, 25 °C 100 °C	P_v	kW/m ³	≤120 ≤110 ≤160 ≤140
Curie Temperature	T_c	°C	>220 °C
Resistivity	ρ	Ωm	0.4
Density	d	Kg/m ³	4800
Core Shapes			Toroids, E, UU, EFC, EVD, EI, EFF, EC, ETD, EER, RM, PQ, POT, PTS, EP,



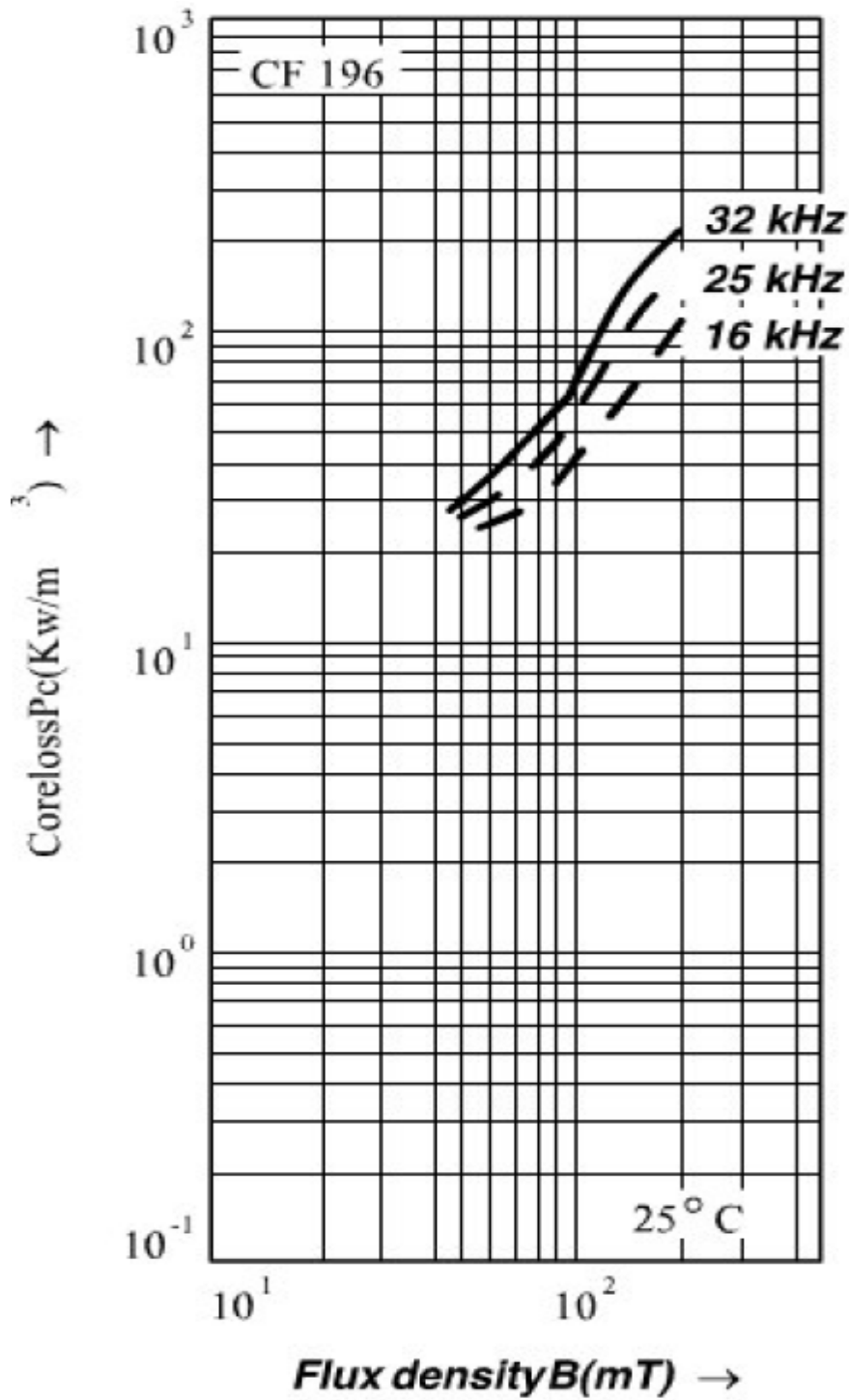
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Core loss Vs Flux Density (Measured on T2512 Toroids)



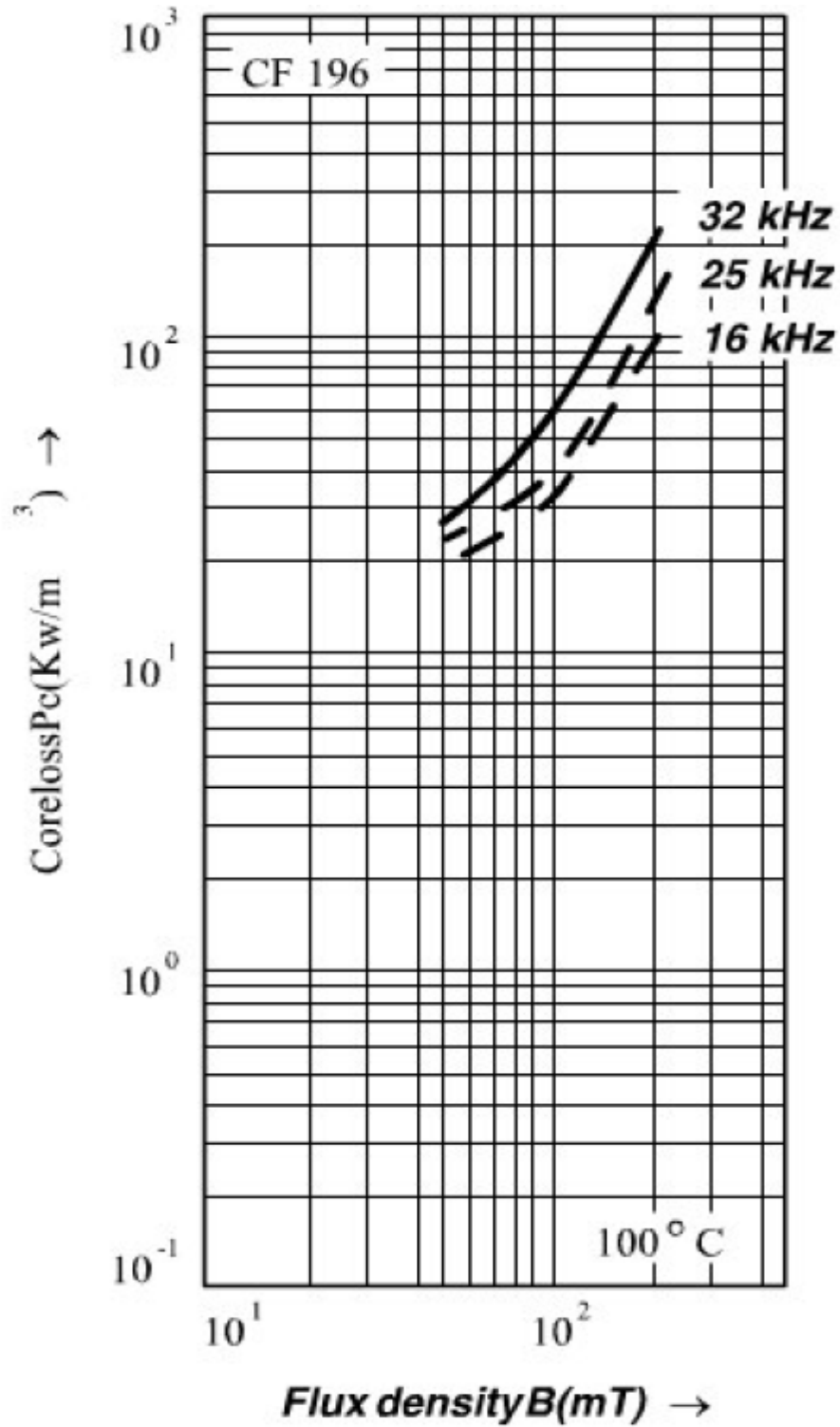
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Core loss Vs Flux Density (Measured on T2512 Toroids)



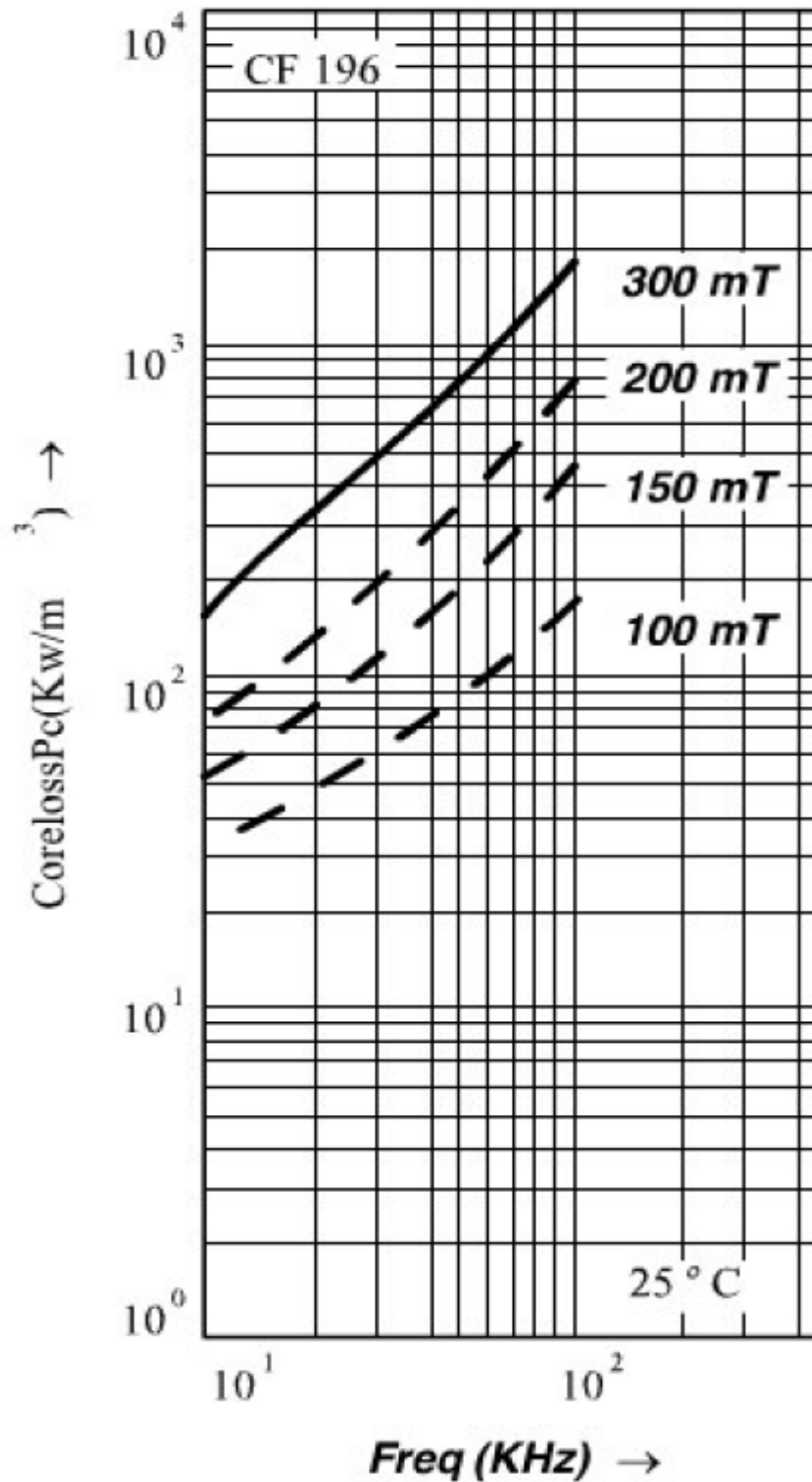
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Core loss Vs Frequency (Measured on T2512 Toroids)



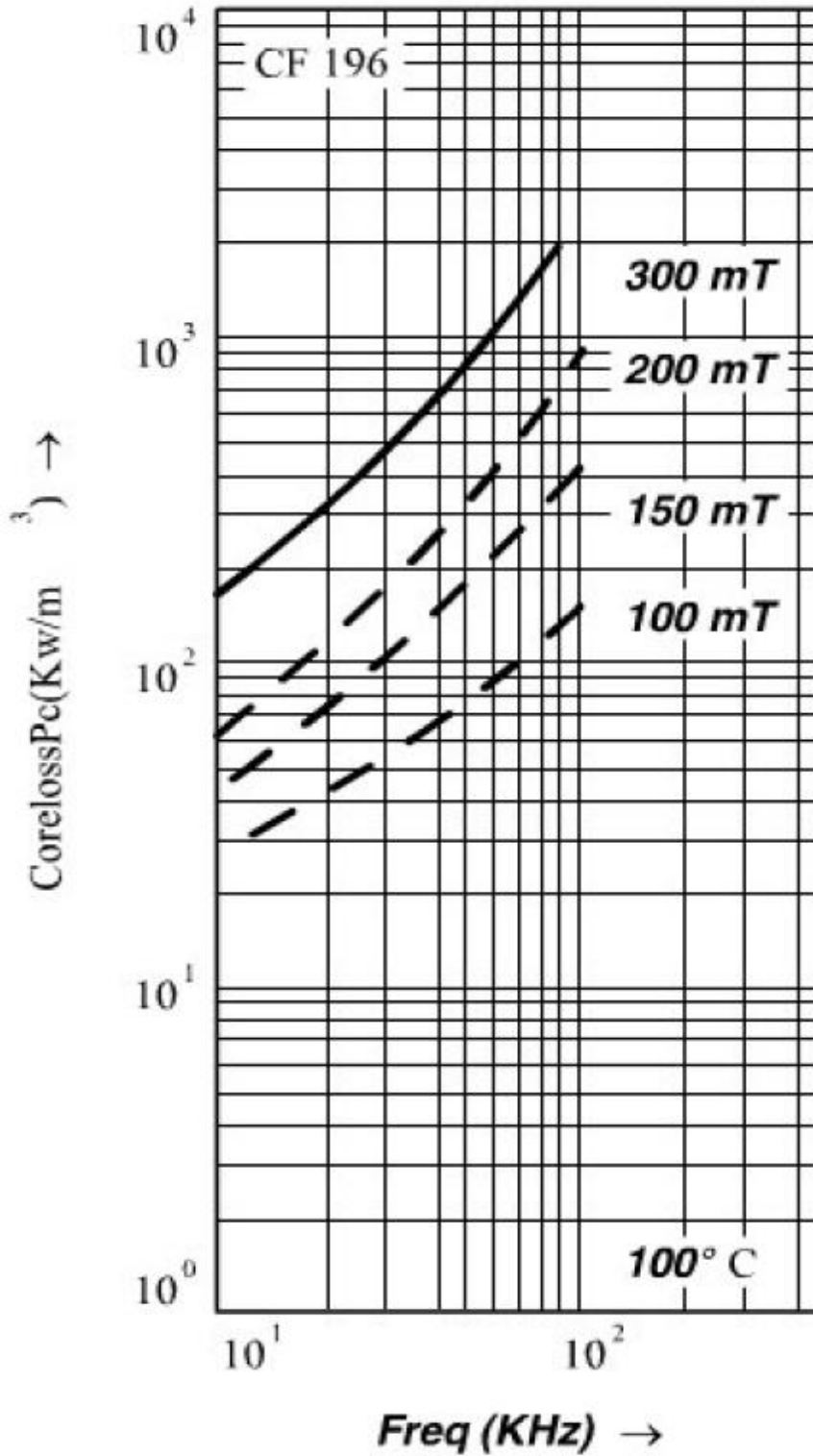
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Core loss Vs Frequency



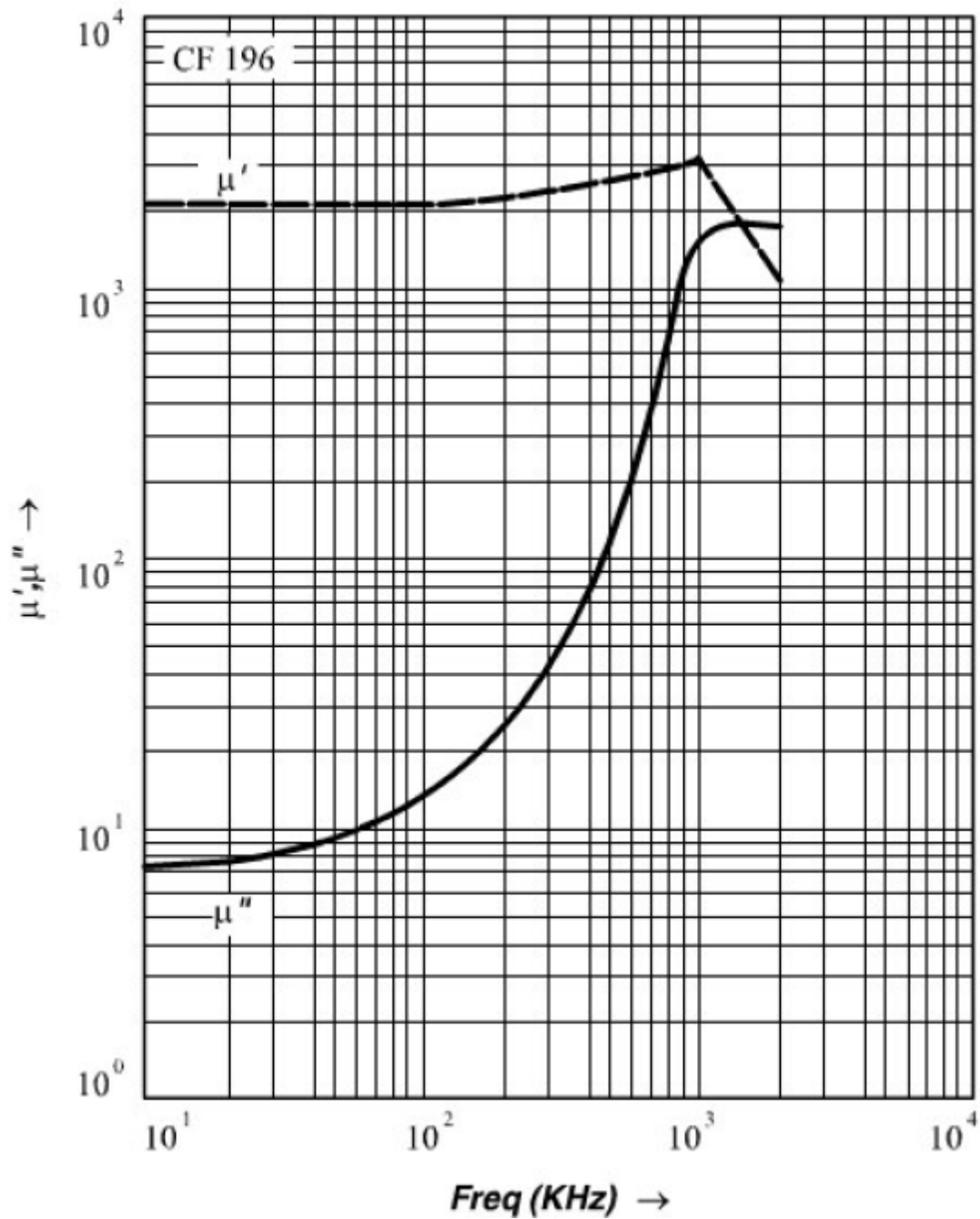
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Complex Permeability Vs Frequency



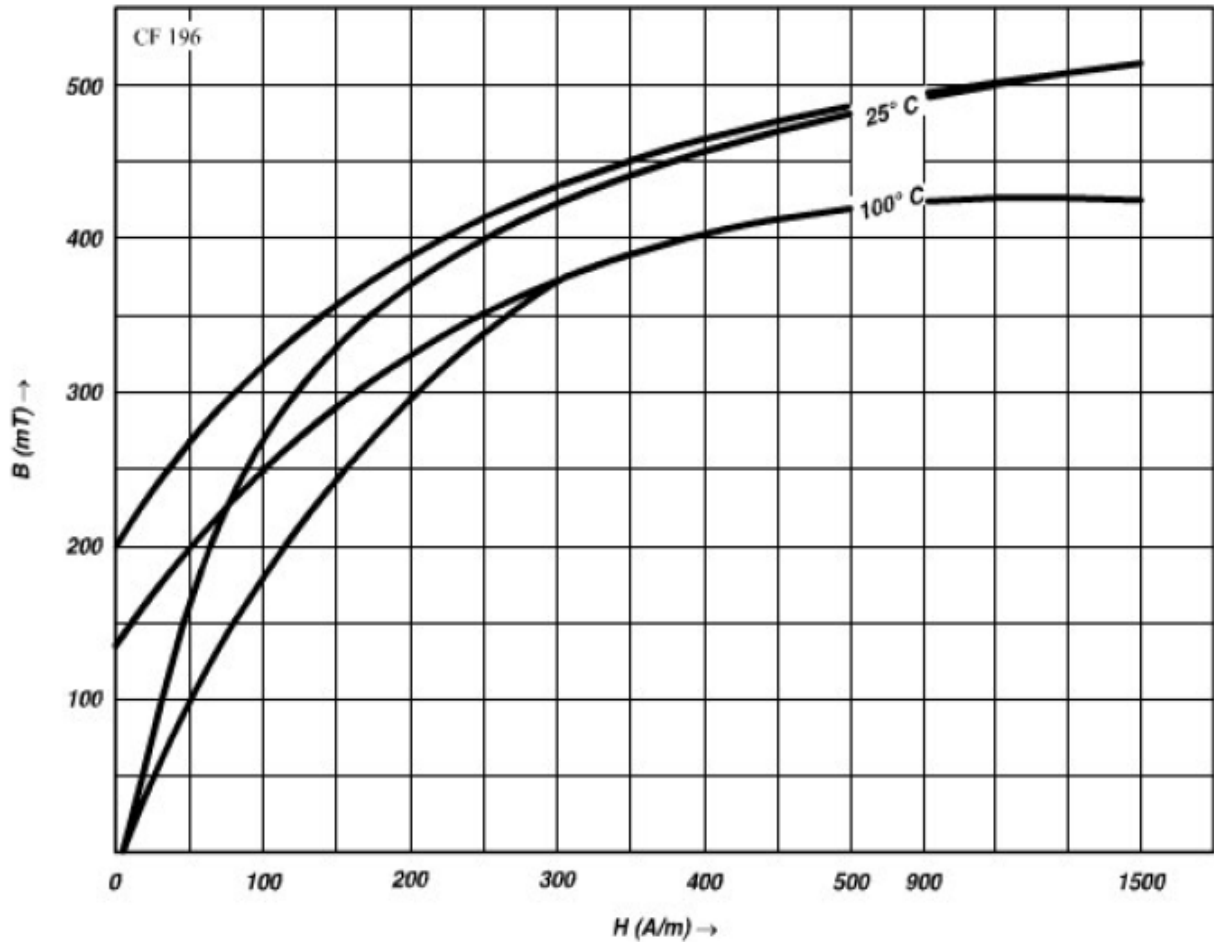
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B-H as a Function of Temperature



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