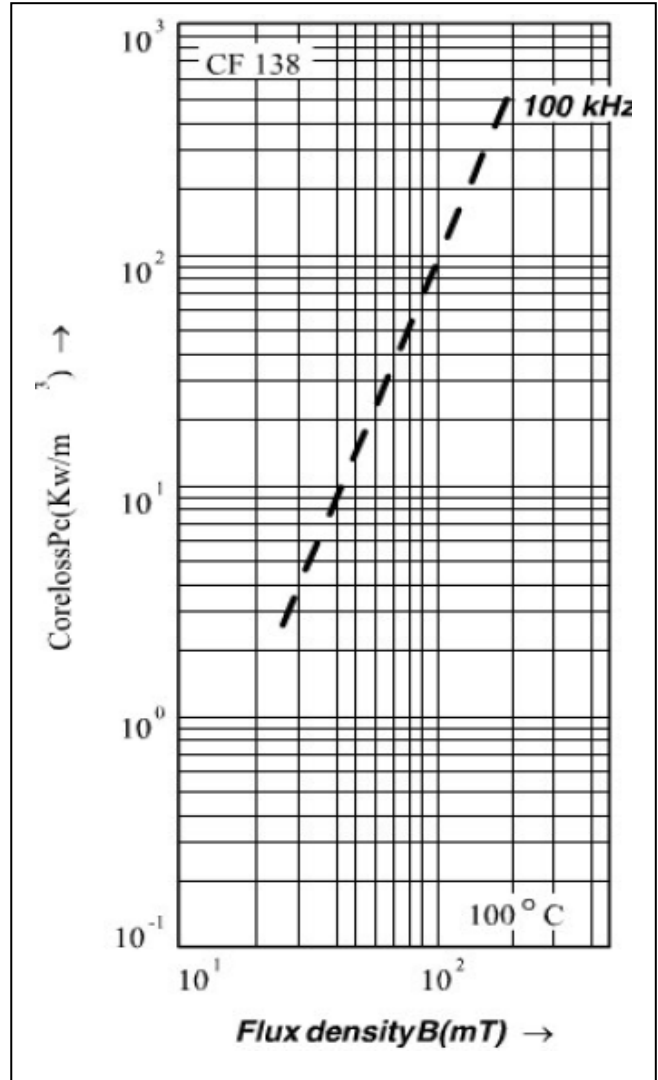
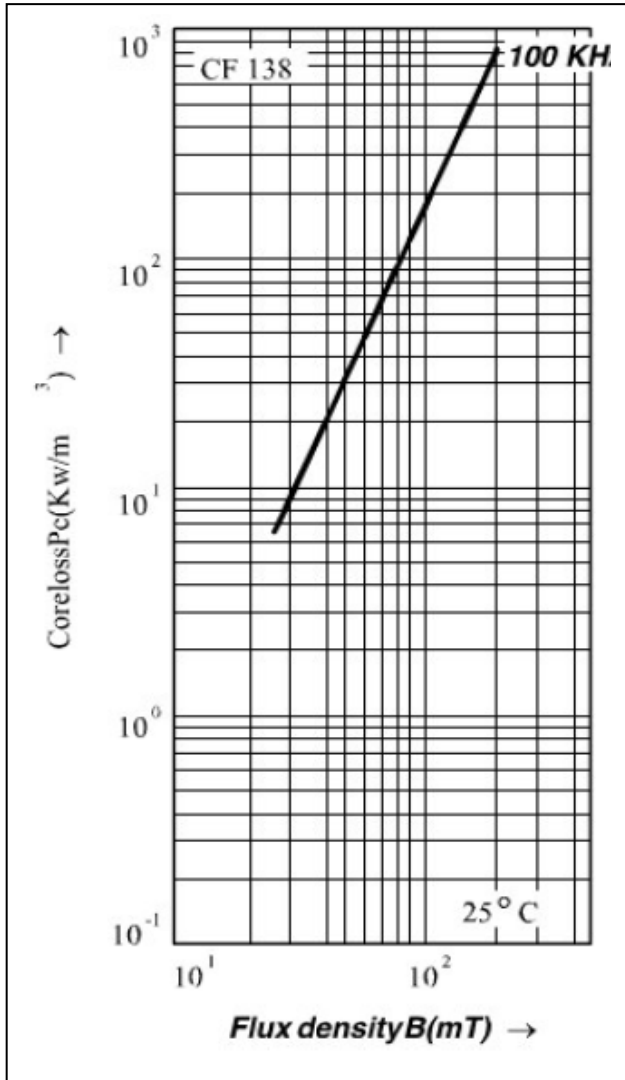


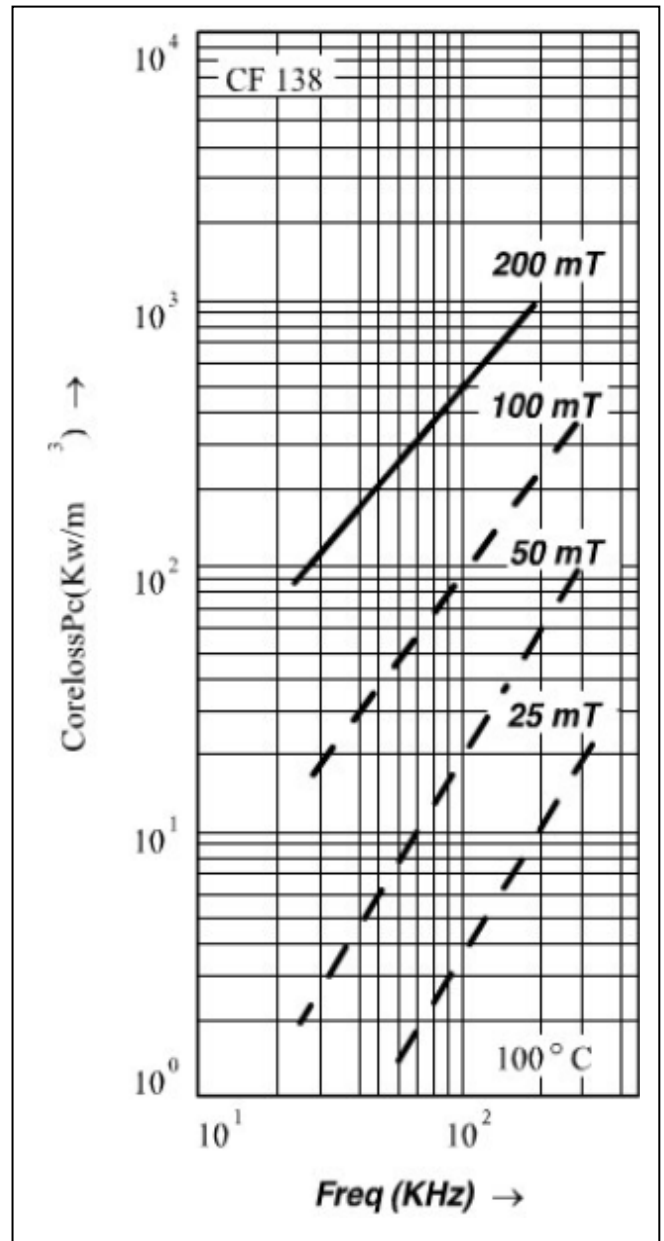
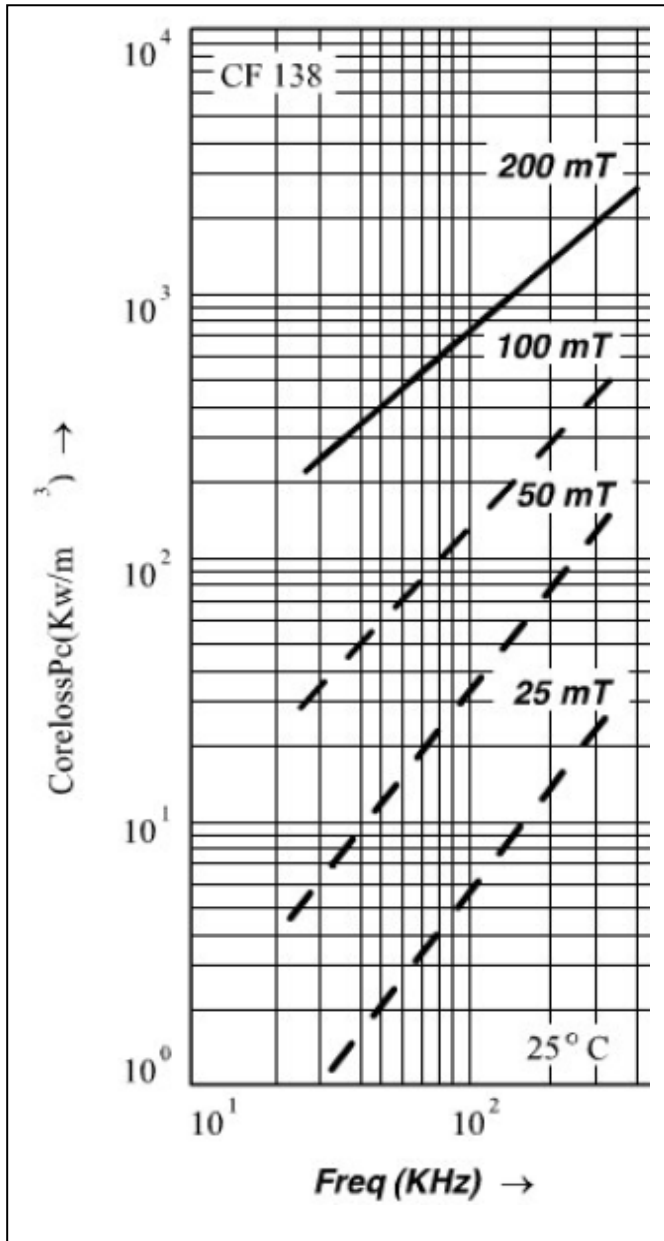
Material Properties

Material		CF 138	
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	480 380
Residual Flux Density	B_r (25 °C)	mT	180
Coercivity	H_c (25 °C)	A/m	15
Power loss density 100 kHz, 100 mT, 25 °C 100 kHz, 100 mT, 100 °C 100 kHz, 200 mT, 25 °C 100 kHz, 200 mT, 100 °C	P_v	kW/m ³	≤120 ≤60 ≤700 ≤450
Curie Temperature	T_c	°C	>210 °C
Coercive field strength (f = 10 KHz)	H_c (25 °C)	A/m	15
Relative loss factor (T = 25 °C)	$\tan \delta / \mu_i \times 10^{-6}$	10kHz 100kHz	≤ 2.5 ---
Density	d	Kg/m ³	4800
Core Shapes			Toroids, E, UU, EFC, EVD, EI, EFF, EC, ETD, EER, RM, PQ, POT, PTS, EP,

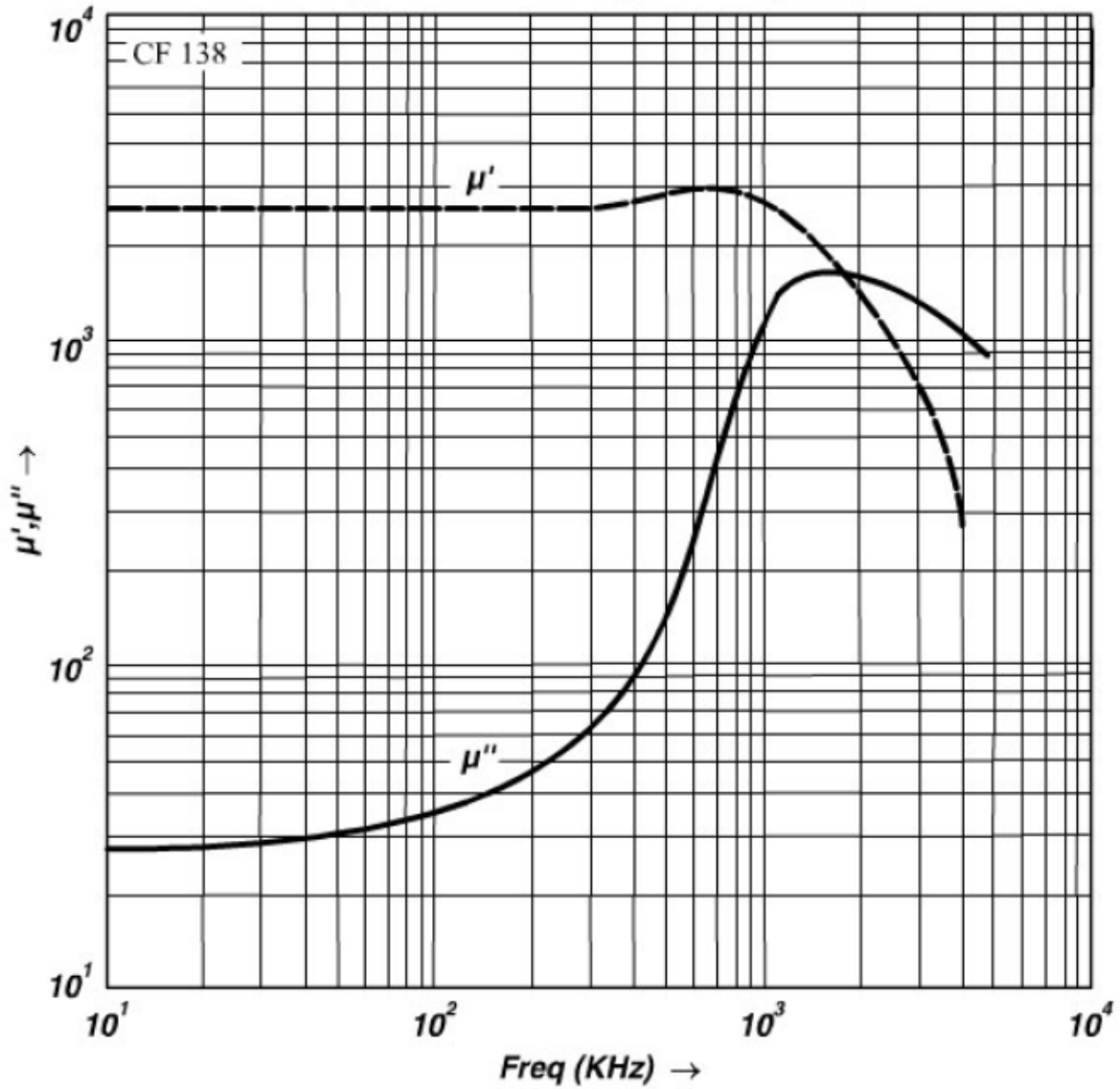
Core loss Vs Flux Density (Measured on T2512 Toroids)



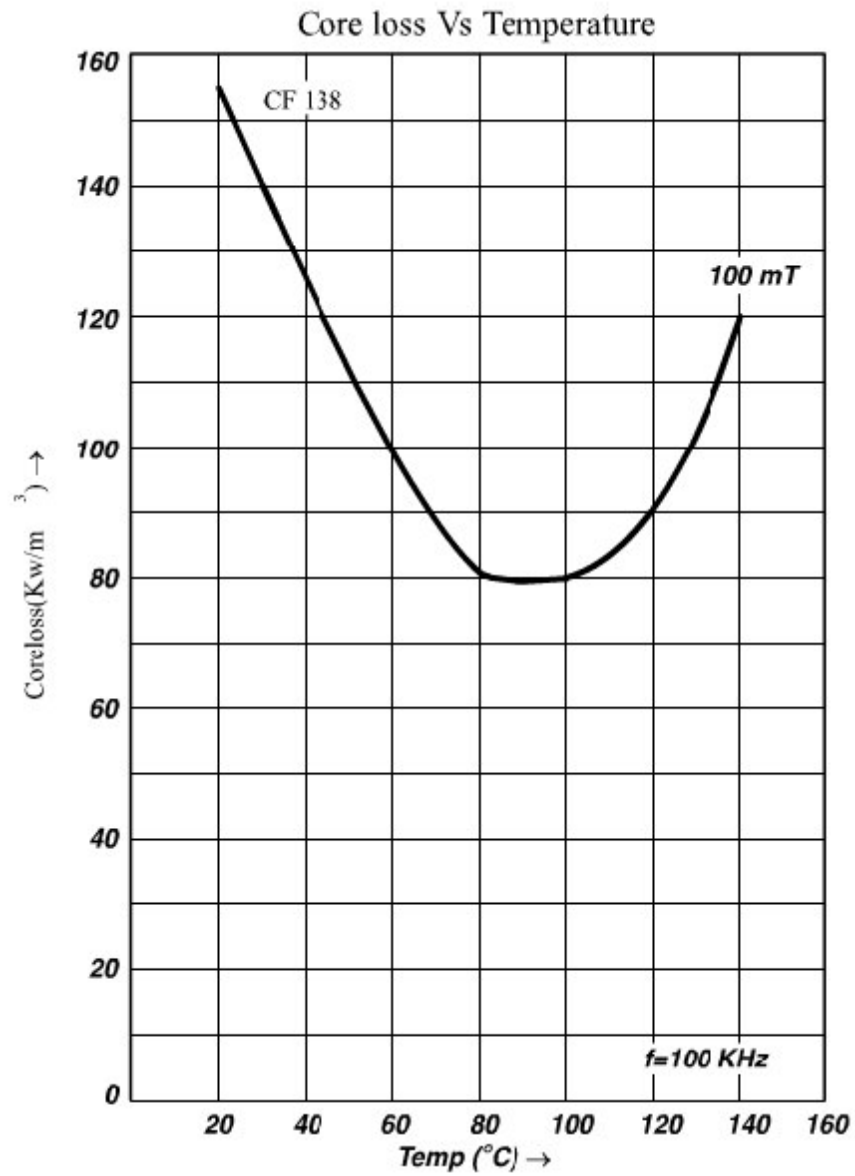
Core loss Vs Flux Density (Measured on T2512 Toroids)



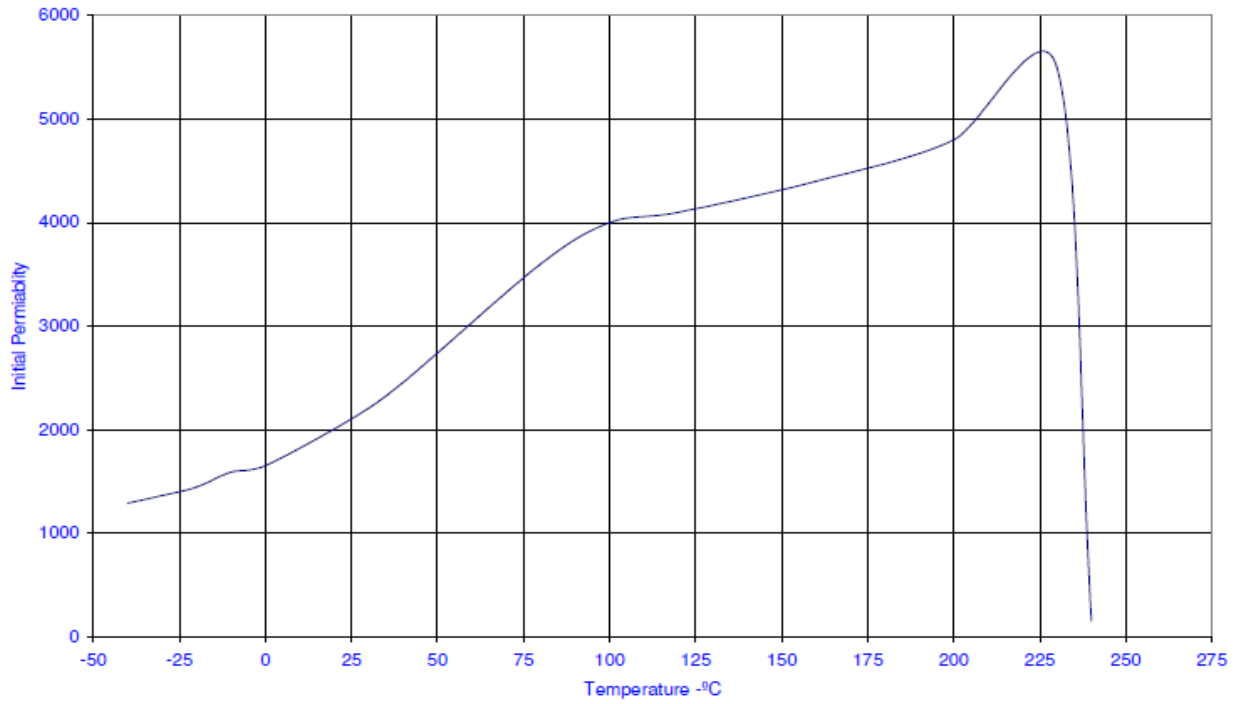
Complex Permeability Vs Frequency (Measured on T2512 Toroids)



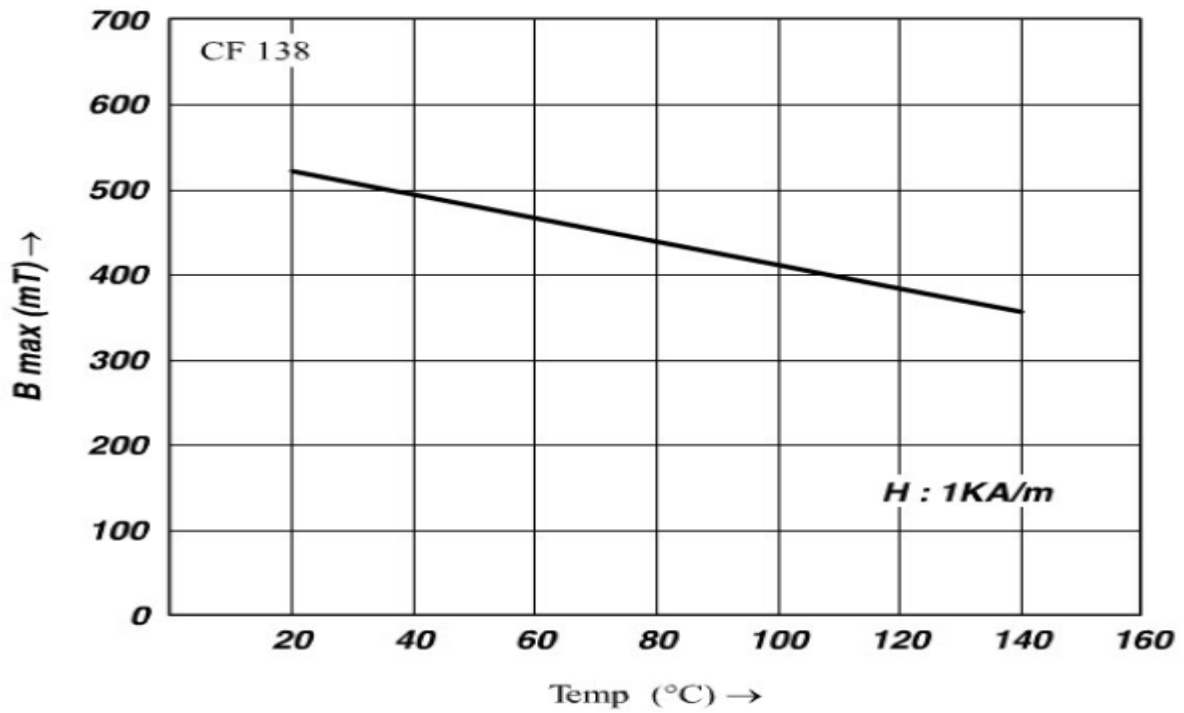
Core loss Vs Temperature (Measured on T2512 Toroids)



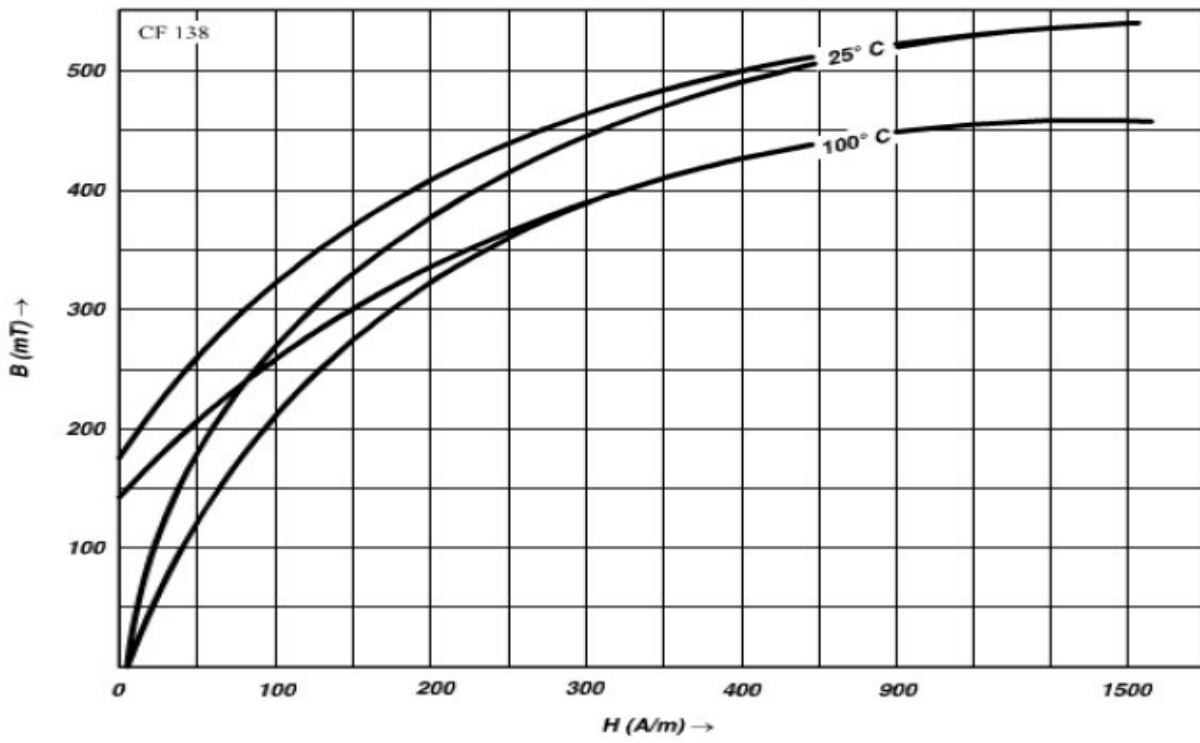
Initial Permeability Vs Temperature



Flux Density Vs Temperature



B-H as a Function of Temperature



Amplitude Permeability as a Function of Flux Density

