Material Properties

Material	CF 265
Base Material	MnZn

Property	Symbol	Unit	
Initial Permeability (T = 25 ^{0}C)	μ_i		5000±20%
Flux density H = 1000 A/m, f = 10 kHz)	B_s (25 ^{0}C) B_s (100 ^{0}C)	mT mT	460 320
Residual Flux Density	Br (25 ^{0}C)	mT	150
Coercive field strength (f = 10 KHz)	H_c (25 ^{0}C)	A/m	12
Relative loss factor (T = 25 ^{0}C)	tan $\delta/\mu_i \times 10^{-6}$	10kHz 100kHz	≤ 5.0 ≤ 25.0
Curie Temperature	T_c	^{0}C	>160 ^{0}C
Hysteresis Mat. Constant	η_B	10^{-6}/mT	≤ 1.5
Resistivity	ρ	Ωm	0.2
Density	d	Kg/m^3	4800
Core Shapes			Toroid, RM, EP,P

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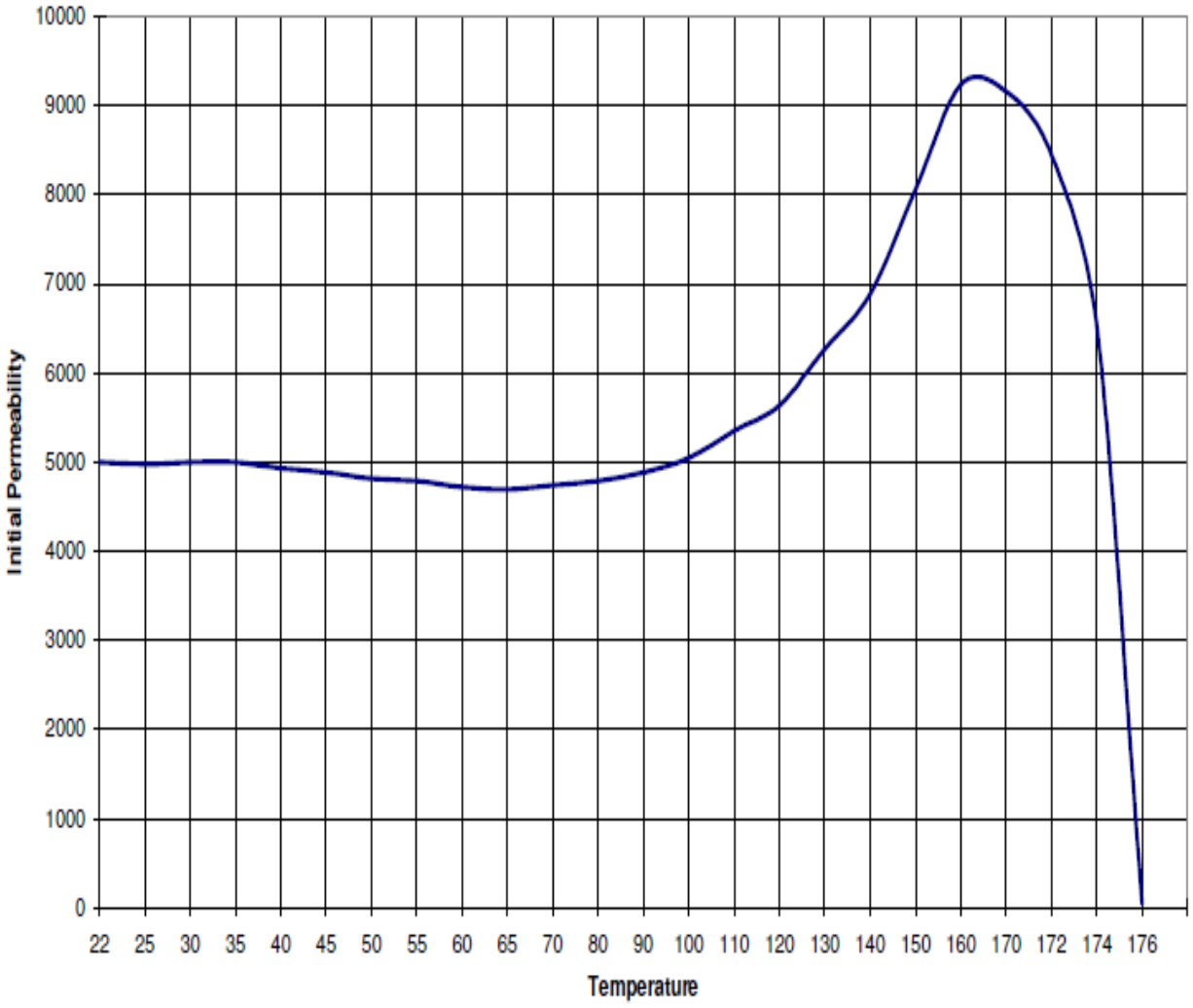
Initial Permeability versus Temperature (Measured on T2512 Toroids)



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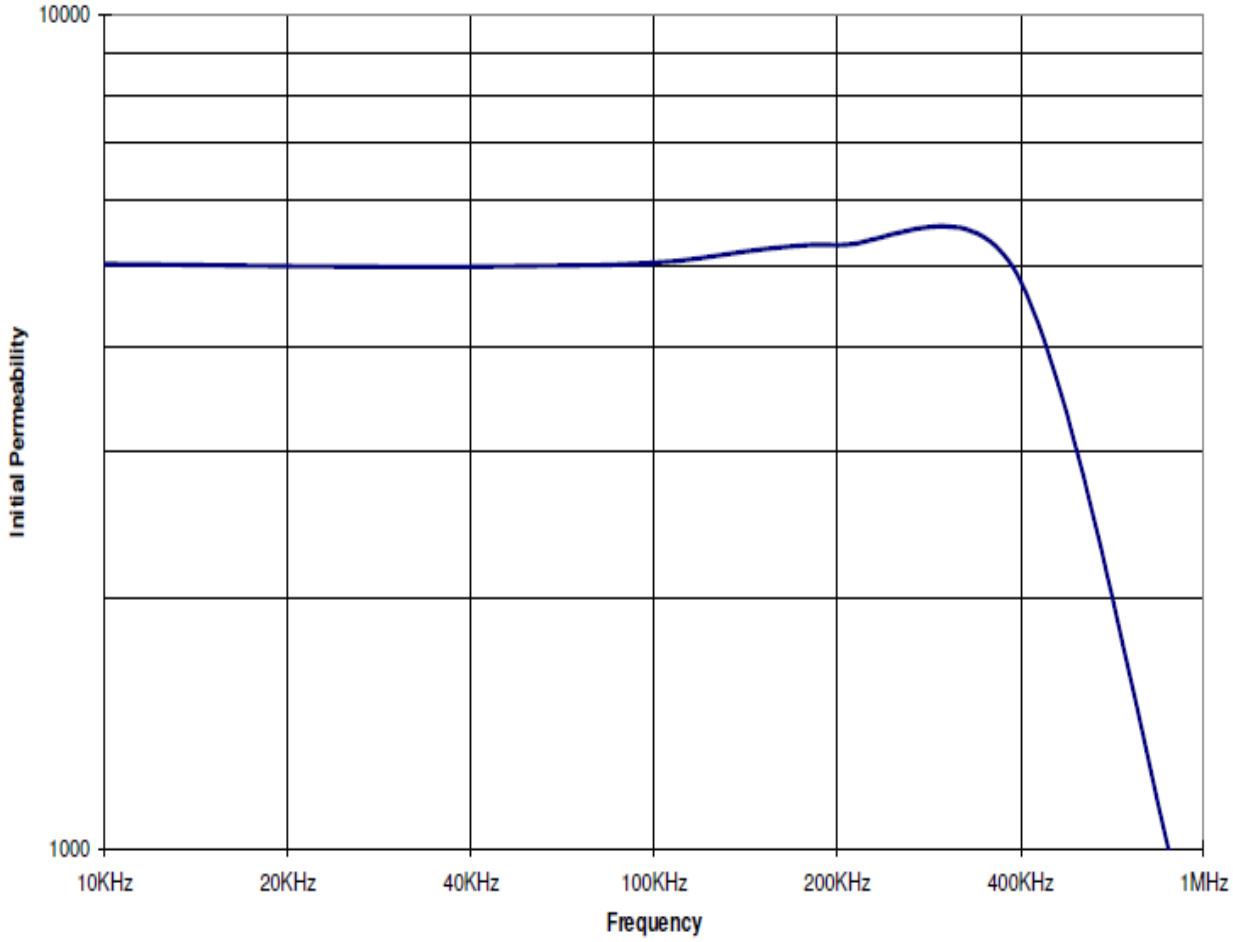
Initial Permeability versus frequency (Measured on T 2512 Toroids)



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