

Material Properties

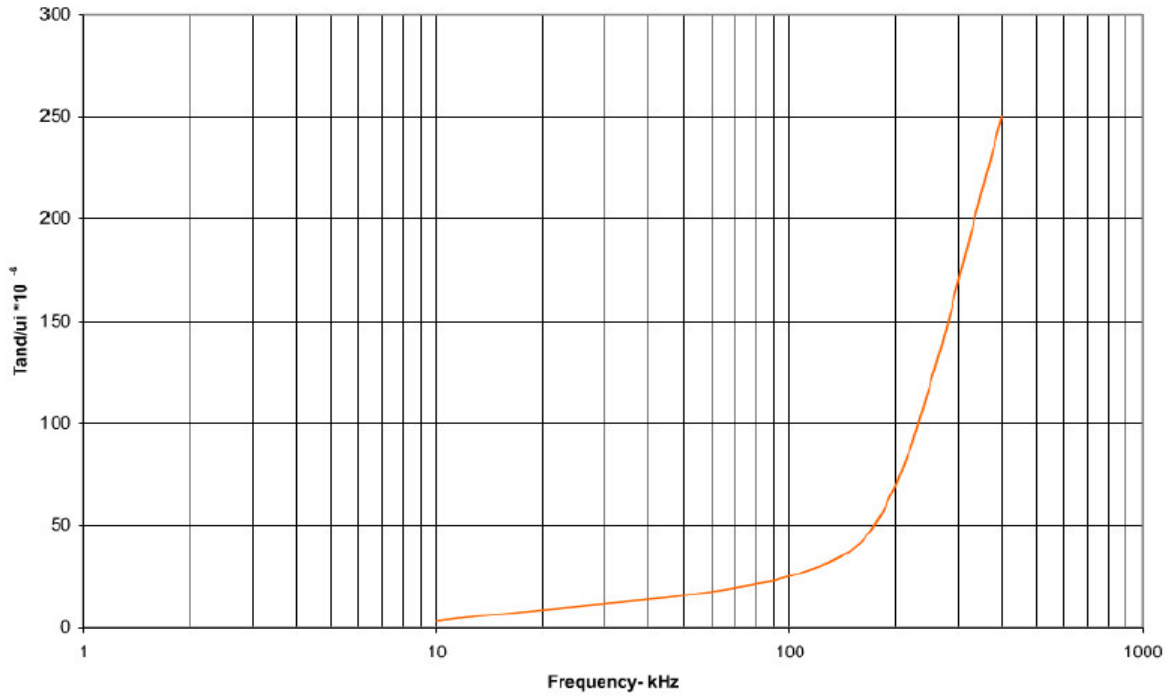
Material	CF 190		
Base Material	MnZn		
Property	Symbol	Unit	
Initial Permeability (T = 25 °C)	μ_i		6000±20%
Flux density H = 1000 A/m, f = 10 kHz)	B_s (25 °C) B_s (100 °C)	mT mT	400 280
Residual Flux Density	B_r (25 °C)	mT	150
Coercive field strength	H_c	A/m	10
Relative loss factor (T = 25 °C)	$\tan \delta / \mu_i \times 10^{-6}$	10kHz 100kHz	≤ 5.0 < 40
Curie Temperature	T_c	°C	>120 °C
Hysteresis Mat. Constant	η_B	$10^{-6}/\text{mT}$	≤ 1.5
Resistivity	ρ	Ωm	0.5
Density	d	Kg/m^3	4800
Core Shapes			Toroid



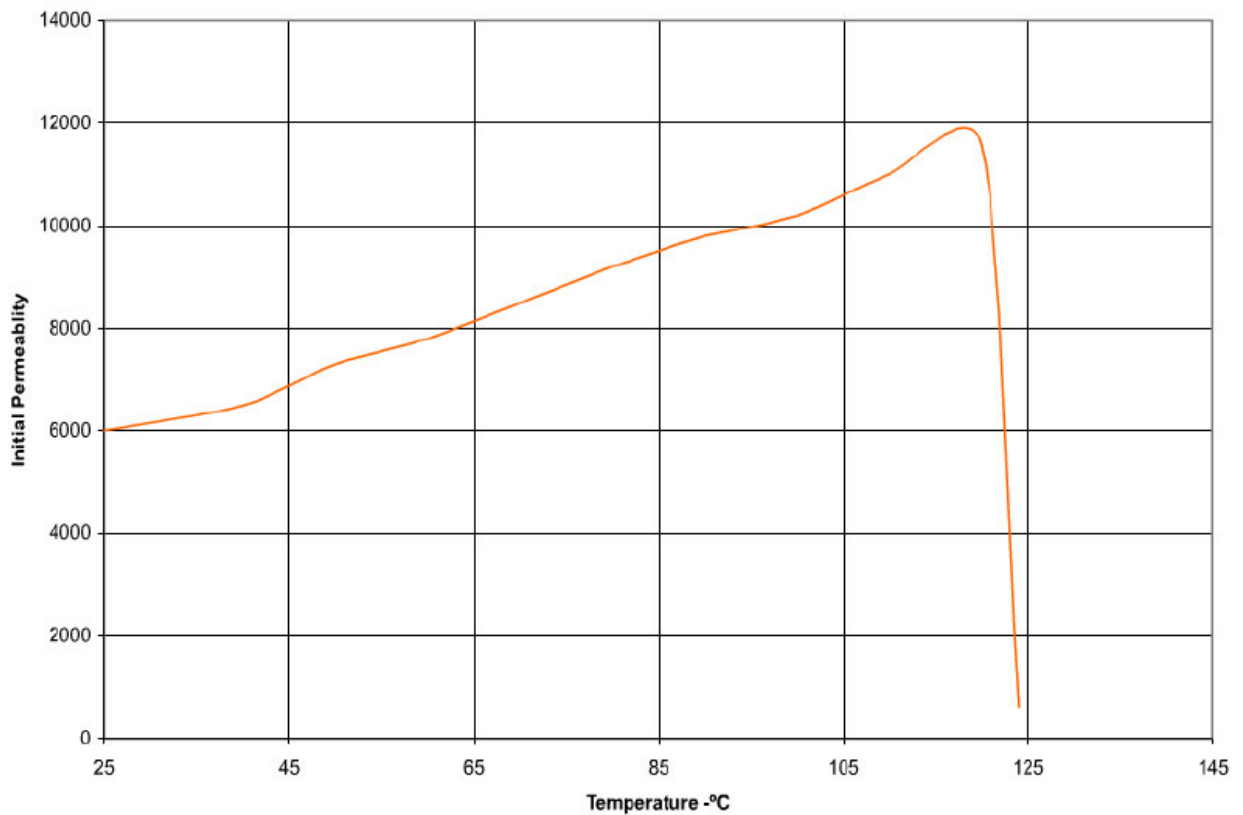
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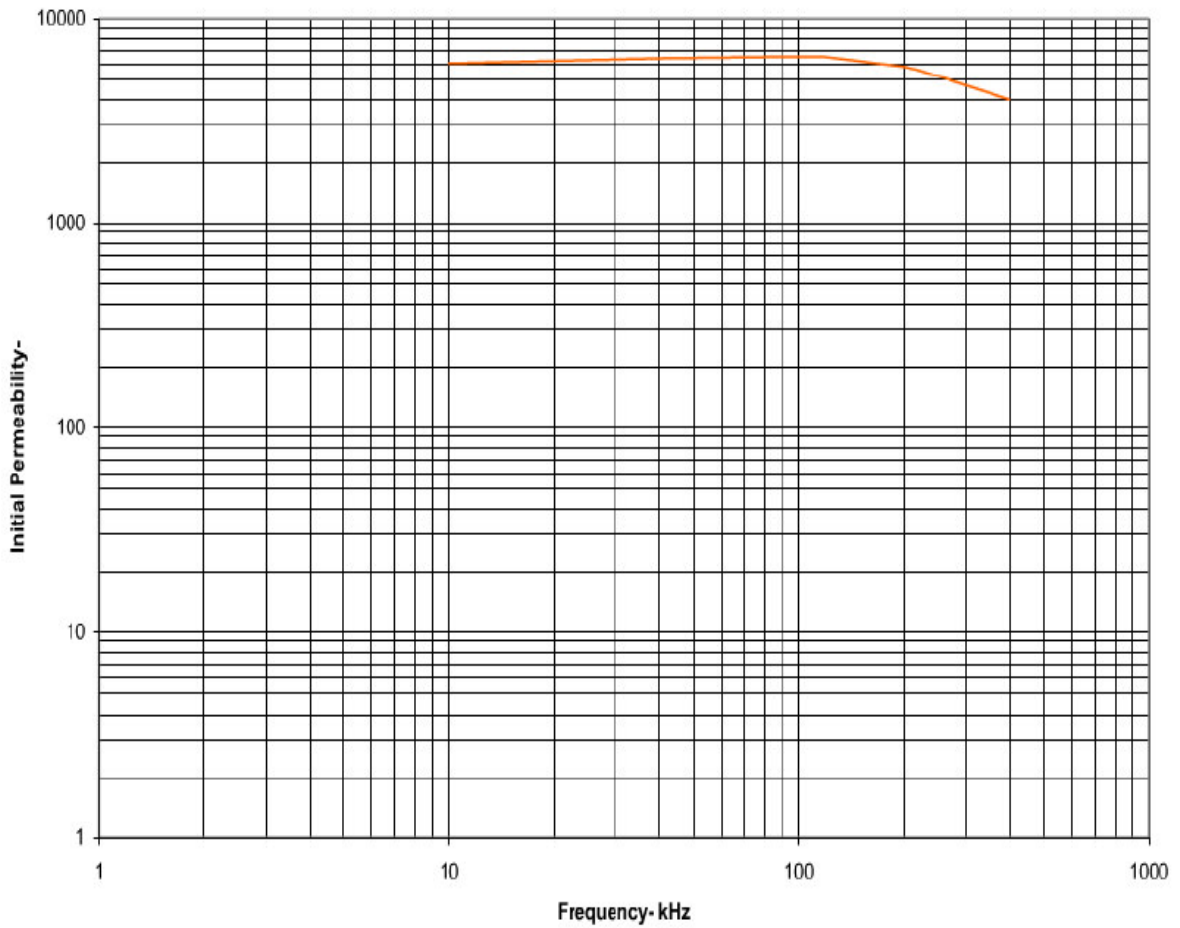
Core loss versus frequency



Initial Permeability versus Temperature (Measured on T2512 Toroids)



Initial Permeability versus frequency (Measured on T 2512 Toroids)



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