Material Properties

Material	CF 292
Base Material	MnZn

Property	Symbol	Unit	
Initial Permeability (T = 25 ^{0}C)	μ_i		1800±20%
Flux density H = 1000 A/m, f = 10 kHz)	B_s (25 ^{0}C) B_s (100 ^{0}C)	mT mT	500 440
Residual Flux Density	Br (25 ^{0}C)	mT	180
Power loss density 100 kHz, 100 mT, 100 ^{0}C 100 kHz, 200 mT, 100 ^{0}C	P_v	kW/m^3 kW/m^3	< 100 <500
Curie Temperature	T_c	^{0}C	>240 ^{0}C
Resistivity	ρ	Ωm	6
Density	d	Kg/m^3	4850
Core Shapes			Toroid, TR, Disc Core

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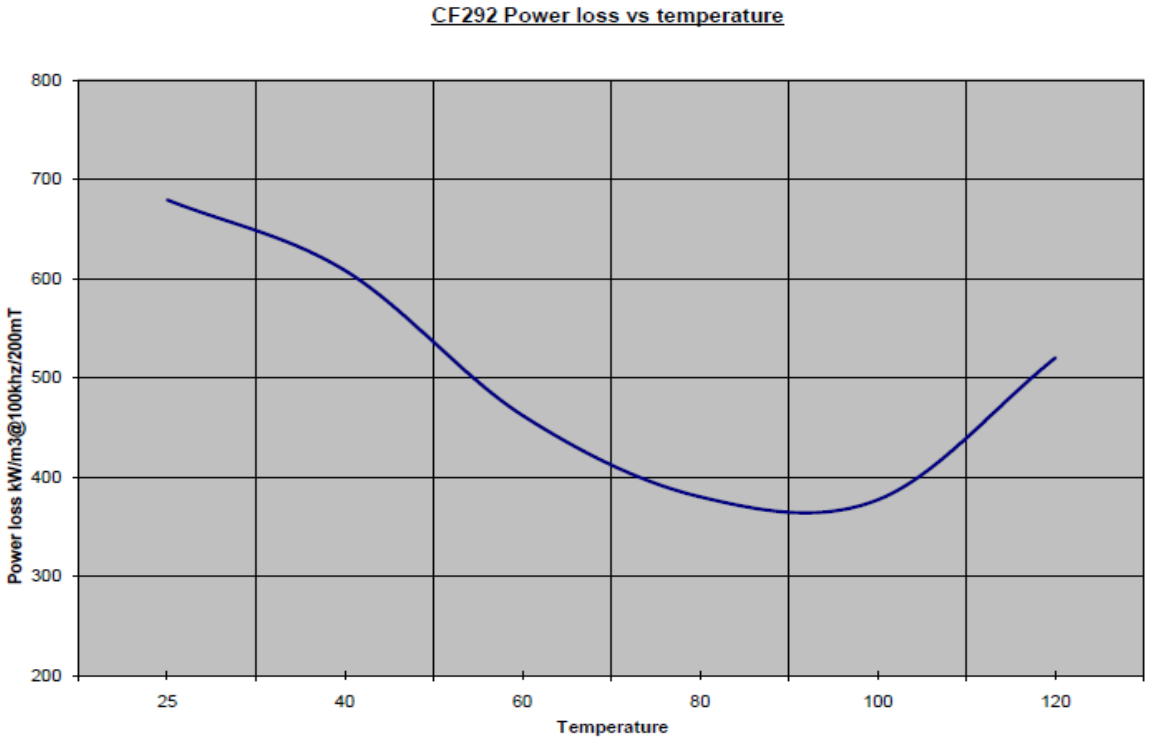
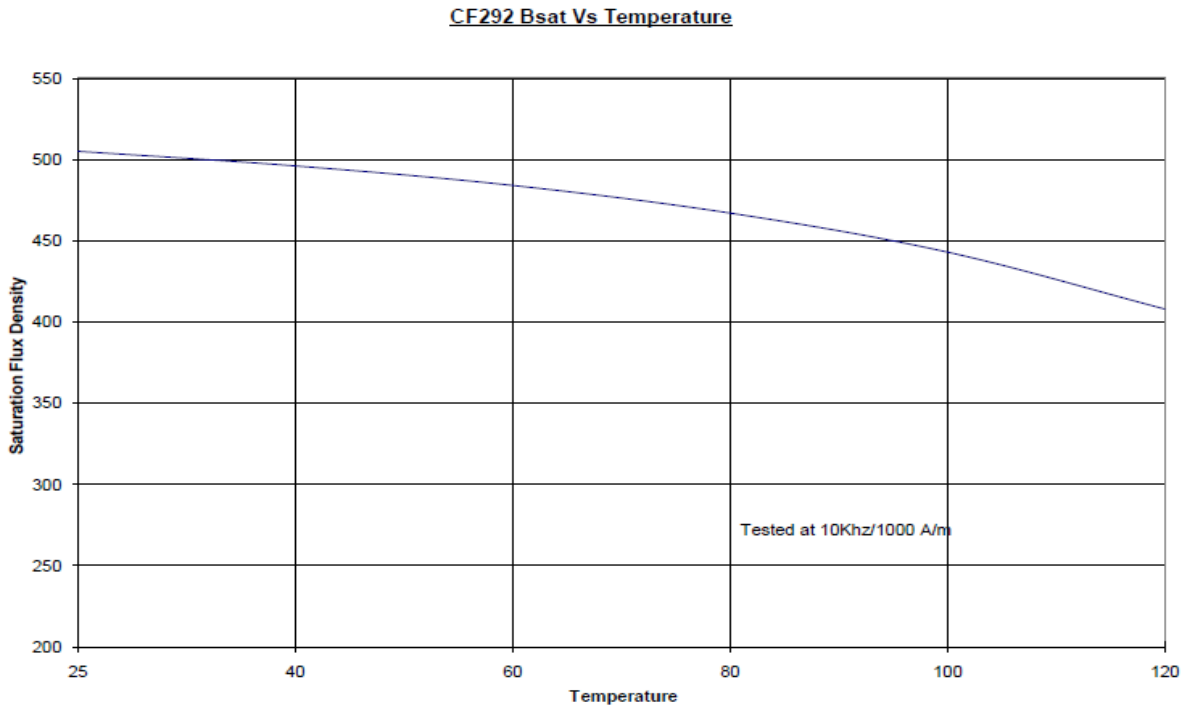
Core loss versus Temperature (Measured on T2512 Toroids)



Saturation Flux density Vs Temperature



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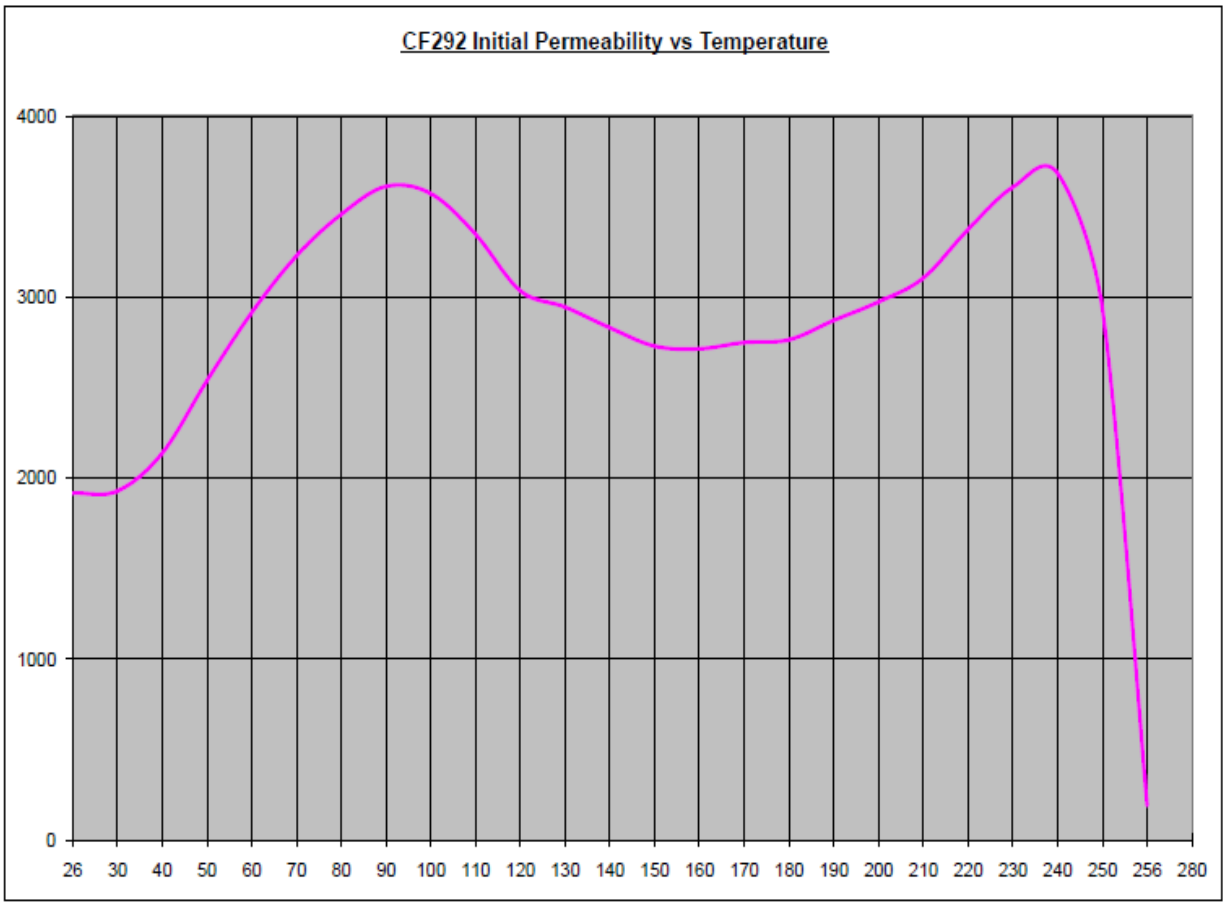
Initial Permeability versus Temperature (Measured on T2512 Toroids)



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