



MATERIAL DATA SHEET



Material Specification : CF295

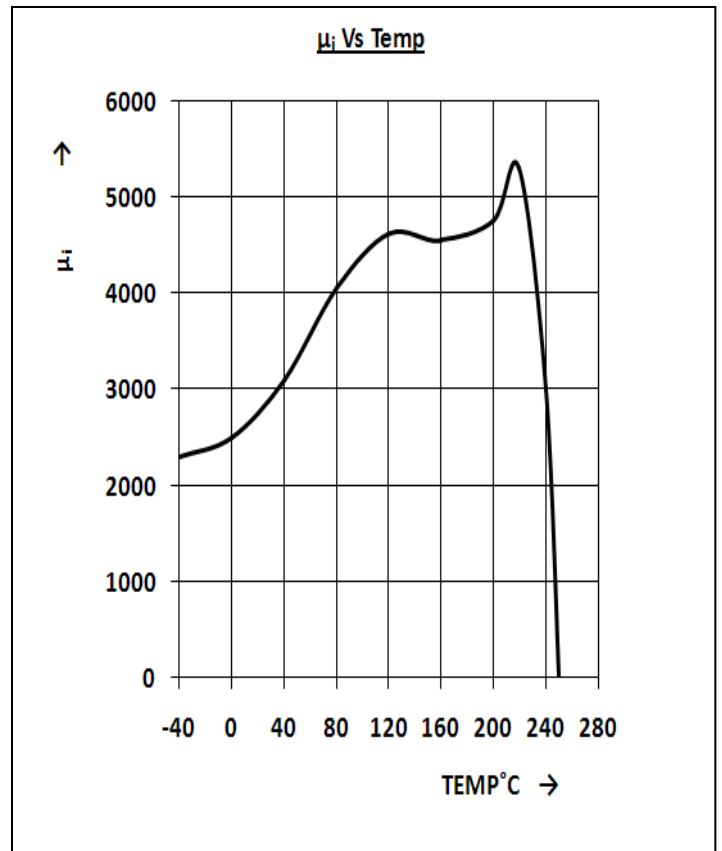
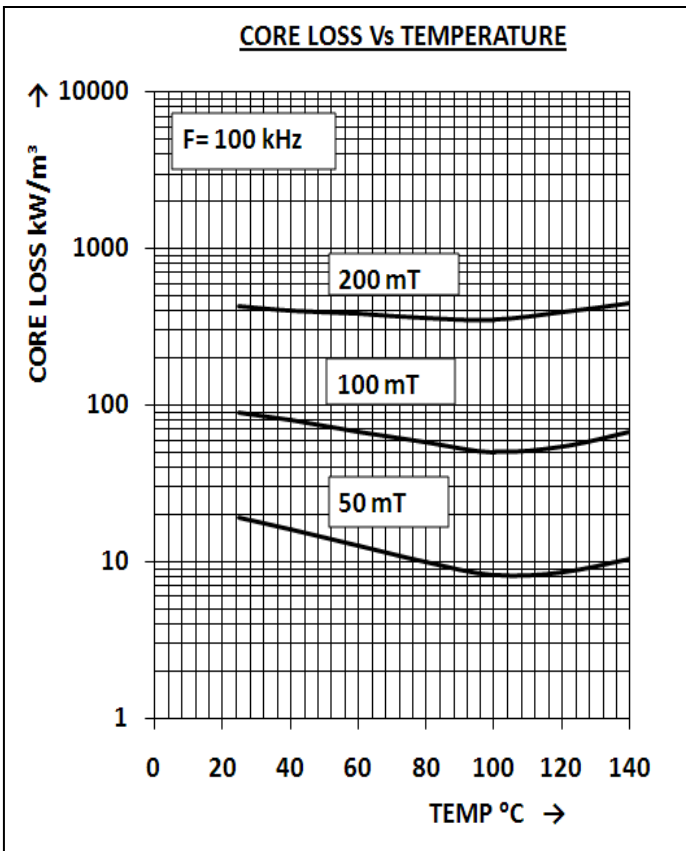
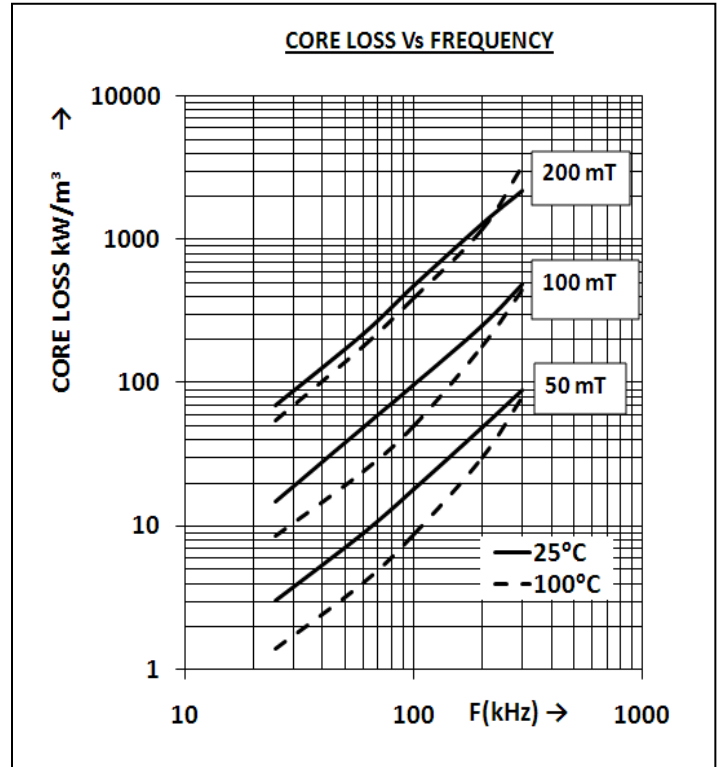
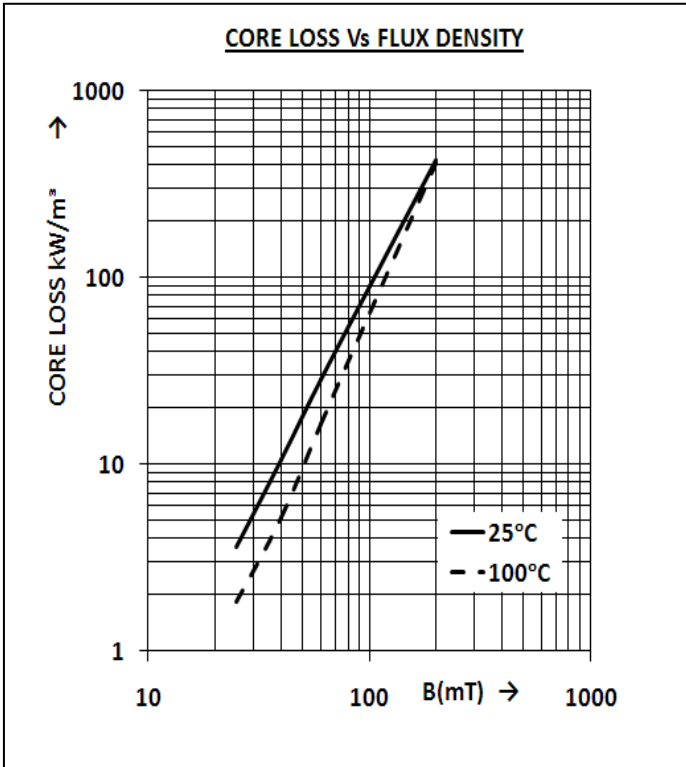


Application	Power transformers
Material	Mn-Zn

Material Properties	Conditions	Symbol	Value	Unit
Initial Permeability	25°C; 10kHz; $\leq 0.25\text{mT}$	μ_i	3000 $\pm 20\%$	
Flux Density	25°C; 1000A/m	B_s	525	mT
	100°C; 1000A/m	B_s	410	mT
Coercive Field Strength	25°C; 10kHz	H_c	18	A/m
	100°C; 10kHz	H_c	19	A/m
Hysteresis Material Constant	25°C;	η_B	<0.6	10^{-6}mT
Curie Temperature	10kHz; $\leq 0.25\text{mT}$	T_c	>220	°C
Density	25°C	ρ	4.9×10^3	kg/m ³
Resistivity	25°C	ρ_{DC}	6	Ωm
Relative Core Losses	100°C; 100kHz; 100mT		≤ 50	kW/m ³
	100°C; 100kHz; 200mT		≤ 350	kW/m ³

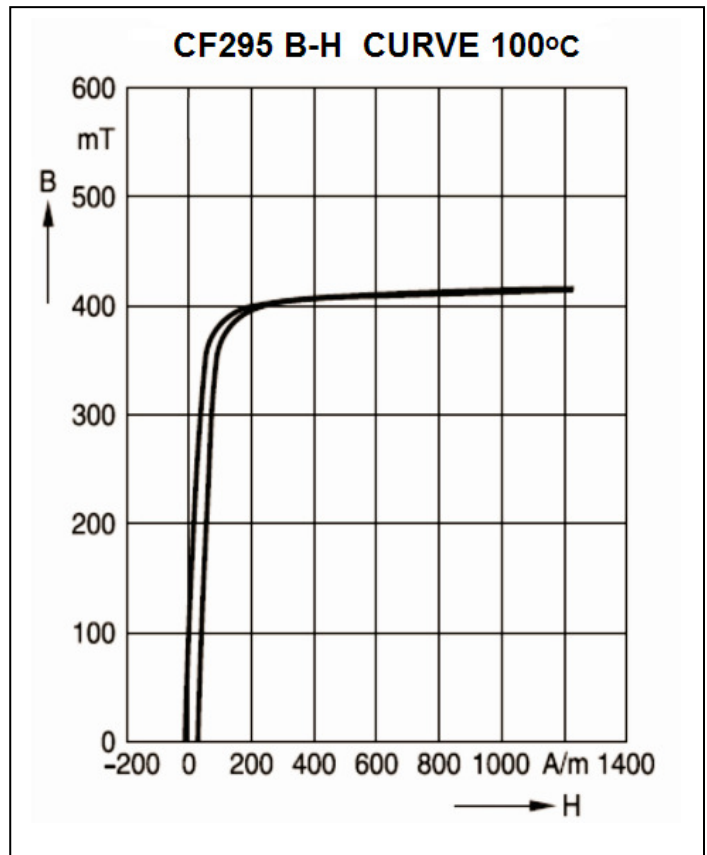
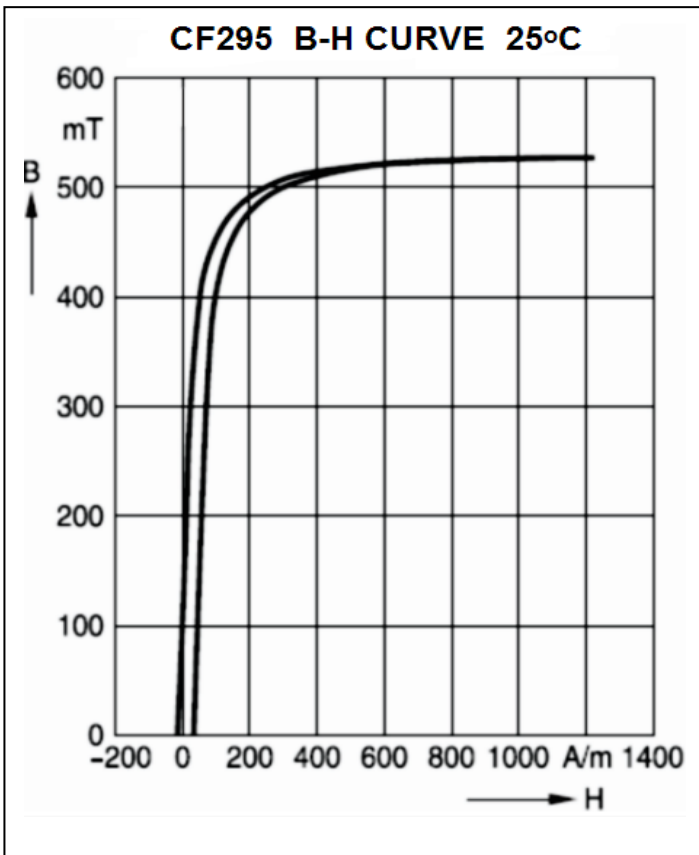
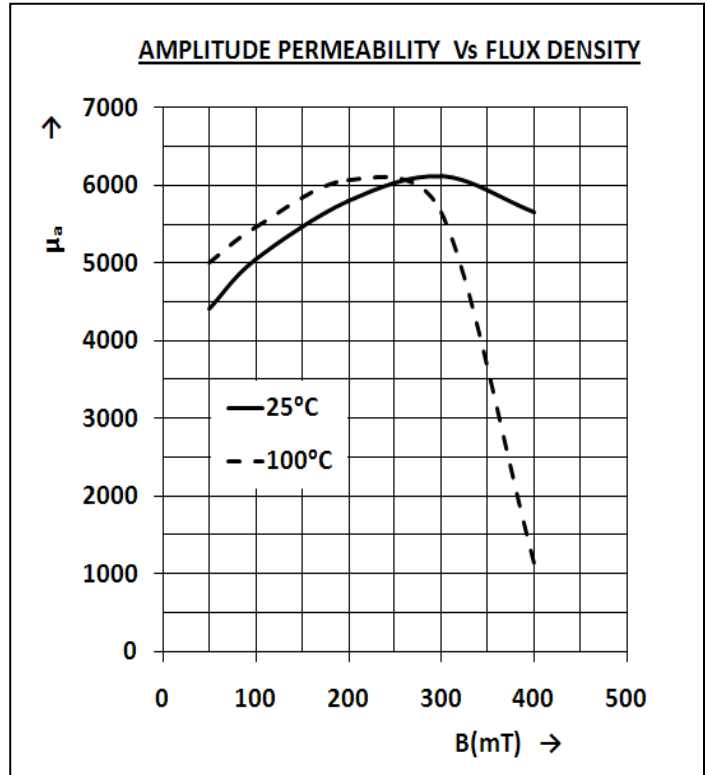
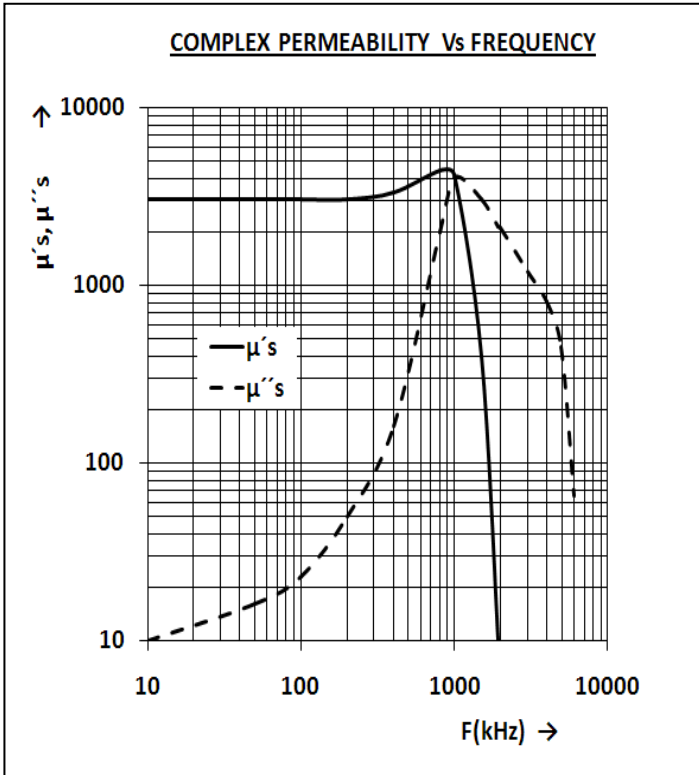
Date: 14-JUNE-2021

*Material data specified here have been derived from measurement on toroid core T2512



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