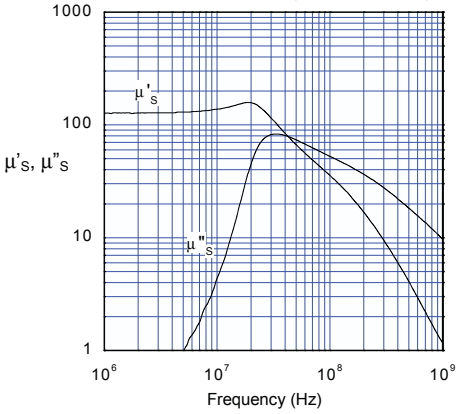
FerriShield Ferrite - 25 Material

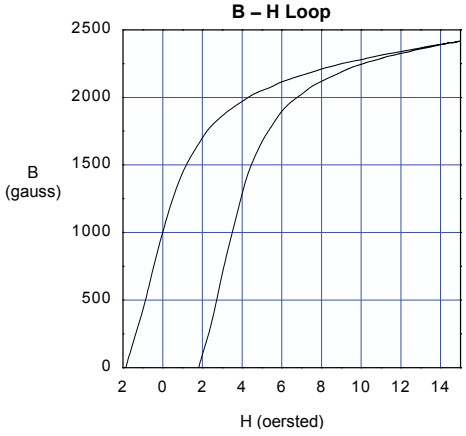
Property	Unit	Symbol	Standard Test Conditions	Value
Initial Permeability		μ_i	Frequency=10 kHz; B<10 gauss	125 ± 20%
Saturation Flux Density	gauss	B_S	H =15 oersted	≈ 2400
Residual Flux Density	gauss	B_r		≈ 1000
Coercive Force	oersted	H_C		≈ 1.9
Loss Factor	10^{-6}	$Tan\delta/\mu_i$	Frequency=2.5 MHz; B=1 gauss	≤ 40
Temperature Coefficient of Initial Permeability (20-70°C)	%/°C			≤ 0.10
Volume Resistivity	Ω cm	ρ		≈ 1×10^7
Curie Temperature	°C	T_C		≥ 350

Note: values are typical and based on measurements of a standard toroid at 25 °C

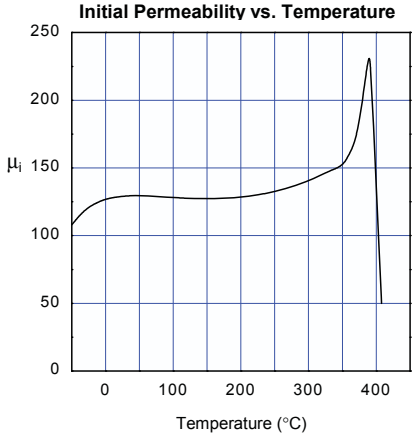
Complex Permeability vs. Frequency

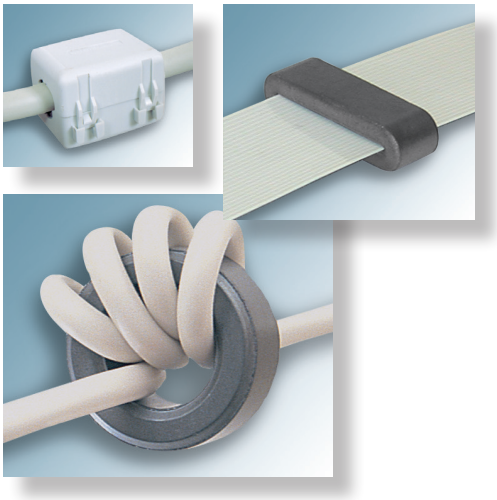


B – H Loop



Initial Permeability vs. Temperature





Overview

Our 25 material, using a driving agent of NiZn, is designed to address high frequency applications resulting from microprocessor speeds above 100 MHz and harmonic peak interferences through 700 MHz. Additionally, it is intended for a variety of inductive applications up to 25 MHz where low loses are required.

FerriShield® Ferrite Suppressors

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RoHS COMPLIANT

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