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Material

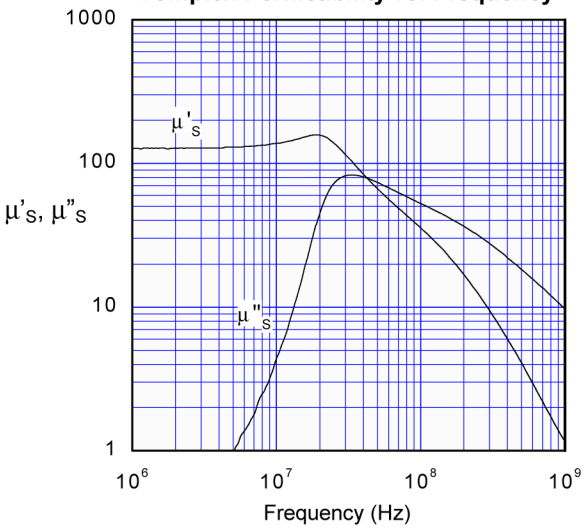
A high frequency perminvar NiZn ferrite designed for a range of inductive applications up to 25 MHz where low loses are required. It is also used in EMI noise suppression applications for frequencies above 200 MHz.

Specifications

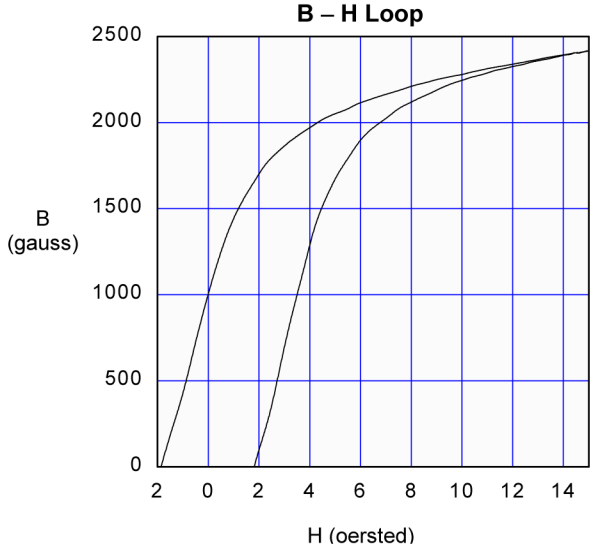
Property	Unit	Symbol	Standard Test Conditions	Value
Initial Permeability		μ_i	Frequency=10 kHz; B<10 gauss	125 ± 20%
Saturation Flux Density	gauss	B_S	H =15 oersted	≈ 2400
Residual Flux Density	gauss	B_r		≈ 1000
Coercive Force	oersted	H_C		≈ 1.9
Loss Factor	10^{-6}	$Tan\delta/\mu_i$	Frequency=2.5 MHz; 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