G

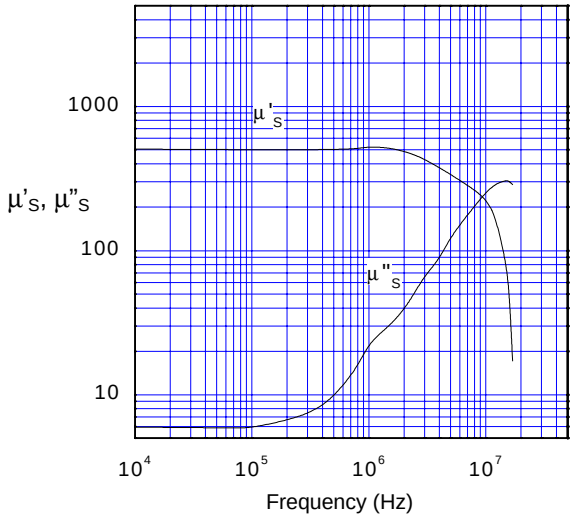
Material

A high dc resistivity NiZn ferrite designed for inductive applications.

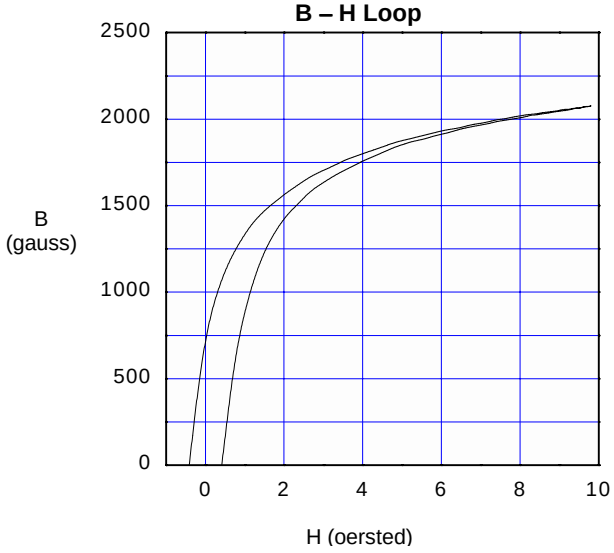
Specifications

Property	Unit	Symbol	Standard Test Conditions	Value
Initial Permeability		μ_i	Frequency=10 kHz; B<10 gauss	500 ± 20%
Saturation Flux Density	gauss	B_S	H =15 oersted	≈ 2000
Residual Flux Density	gauss	B_r		≈ 800
Coercive Force	oersted	H_C		≈ 0.50
Loss Factor	10^{-6}	$Tan\delta/\mu_i$	Frequency=1 MHz; B=1 gauss	≤ 100
Temperature Coefficient of Initial Permeability (20-70°C)	%/°C			≤ 0.7
Volume Resistivity	Ω cm	ρ		≈ 1×10^8
Curie Temperature	°C	T_C		≥ 100

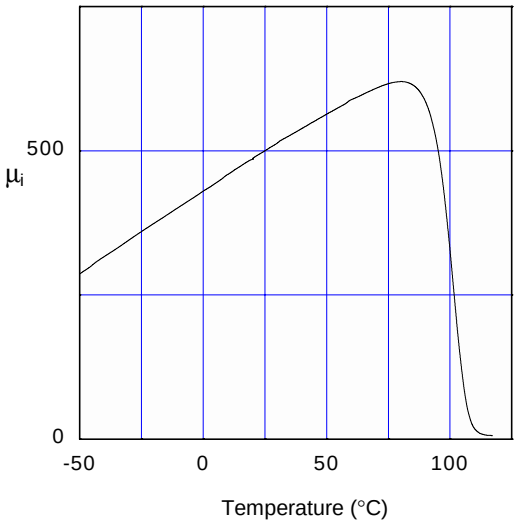
Complex Permeability vs. Frequency



B – H Loop



Initial Permeability vs. Temperature



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