



NATIONAL MAGNETICS GROUP, INC.

MANUFACTURERS OF MAGNETIC AND ADVANCED MATERIALS

AFFILIATE: TCI CERAMICS, INC.

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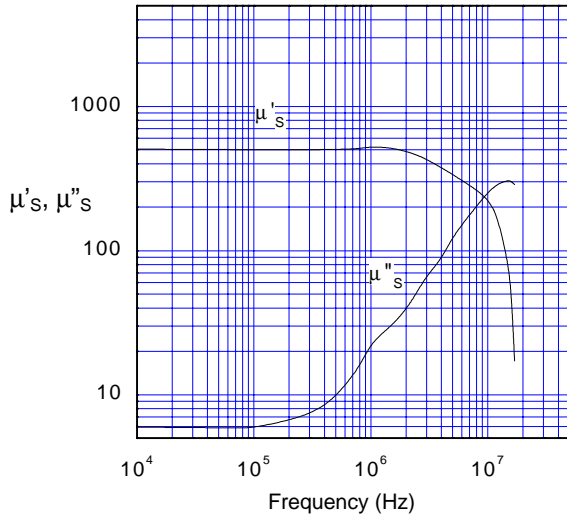
Material

A high dc resistivity NiZn ferrite designed for inductive applications.

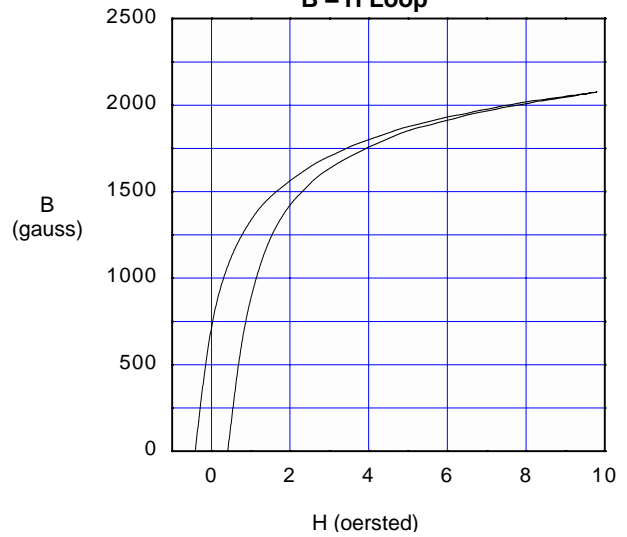
Specifications

Property	Unit	Symbol	Standard Test Conditions	Value
Initial Permeability		μ_i	Frequency=10 kHz; B<10 gauss	$500 \pm 20\%$
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		$\approx 1 \times 10^8$
Curie Temperature	°C	T_c		≥ 100

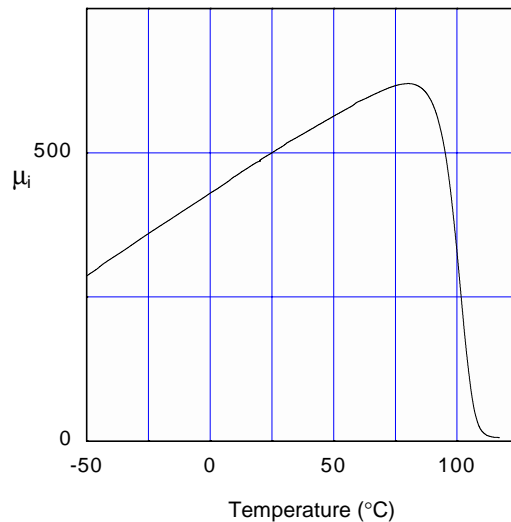
Complex Permeability vs. Frequency



B - H Loop



Initial Permeability vs. Temperature



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1210 WIN DR.
BETHLEHEM, PA 18017-7061

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TEL: 610-867-7600 • FAX: 610-867-0200 • EMAIL: sales@magneticsgroup.com