



# NATIONAL MAGNETICS GROUP, INC.

MANUFACTURERS OF MAGNETIC AND ADVANCED MATERIALS

AFFILIATE: TCI CERAMICS, INC.

## G2

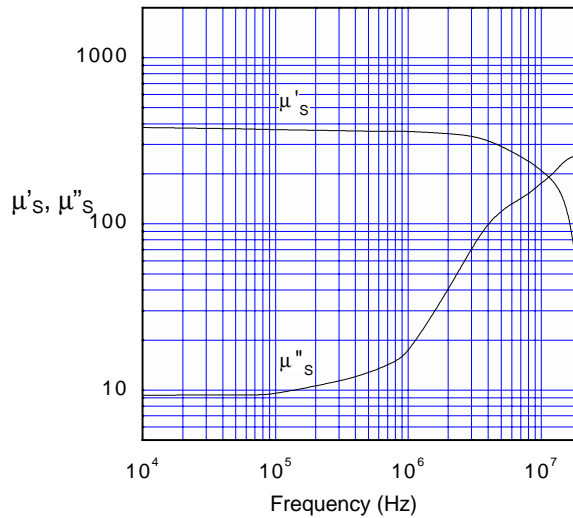
### Material

A moderate permeability NiZn ferrite designed for a range of inductive applications up to 5 MHz.

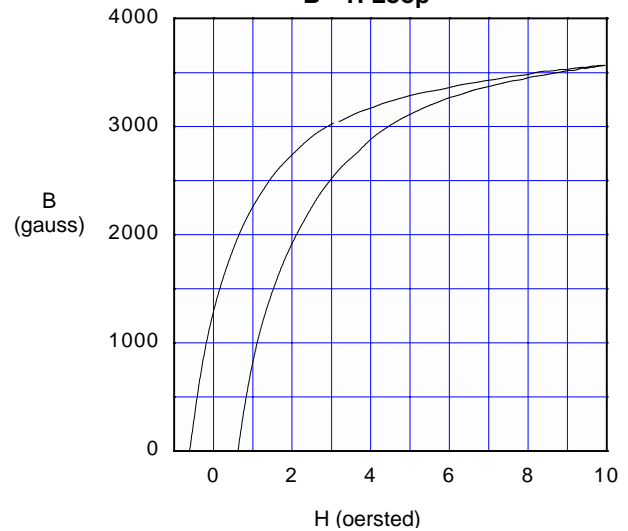
#### Specifications

Property	Unit	Symbol	Standard Test Conditions	Value
Initial Permeability		$\mu_i$	Frequency=10 kHz; B<10 gauss	$370 \pm 20\%$
Saturation Flux Density	gauss	$B_s$	H =15 oersted	$\approx 3200$
Residual Flux Density	gauss	$B_r$		$\approx 1200$
Coercive Force	oersted	$H_c$		$\approx 0.75$
Loss Factor	$10^{-6}$	$\tan\delta/\mu_i$	Frequency=0.1 MHz; B=1 gauss	$\leq 65$
Temperature Coefficient of Initial Permeability (20-70°C)	%/°C			$\leq 0.5$
Volume Resistivity	$\Omega$ cm	$\rho$		$\approx 1 \times 10^6$
Curie Temperature	°C	$T_c$		$\geq 200$

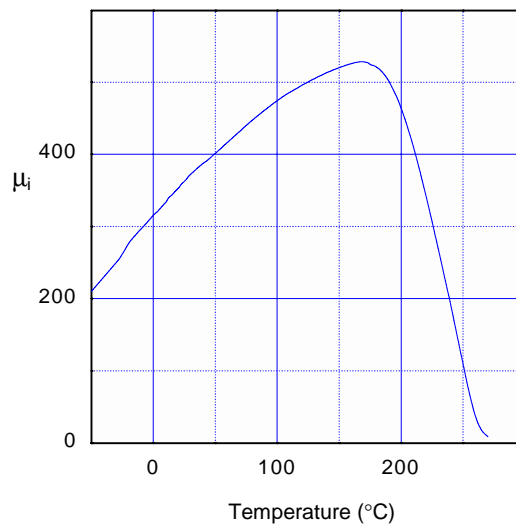
Complex Permeability vs. Frequency



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](mailto:sales@magneticsgroup.com)