

## 20 Material

A NiZn ferrite designed for high frequency applications, including broadband transformers, antennas, and high Q inductors.

Property	Unit	Symbol	Standard Test Conditions	Value
Initial Permeability		$\mu_i$	Frequency=10 kHz; B<10 gauss	20 ± 20%
Saturation Flux Density	gauss	$B_s$	H=40 oersted	≈ 2500
Residual Flux Density	gauss	$B_r$		≈ 700
Coercive Force	oersted	$H_c$		≈ 7
Loss Factor	$10^{-6}$	$\text{Tan}\delta/\mu_i$	Frequency=100 MHz; B=1gauss	≤ 500
Temperature Coefficient of Initial Permeability (20-70°C)	%/°C			≤ 0.15
Volume Resistivity	$\Omega$ cm	$\rho$		≈ $10^7$
Curie Temperature	°C	$T_c$		> 500

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

