



## 61-Material Datasheet

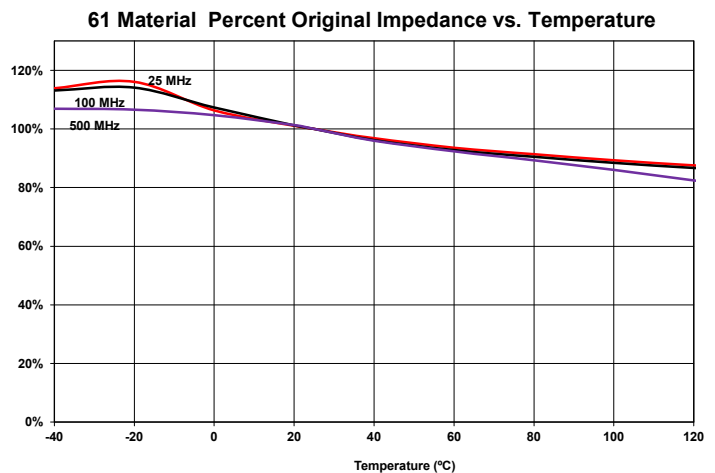
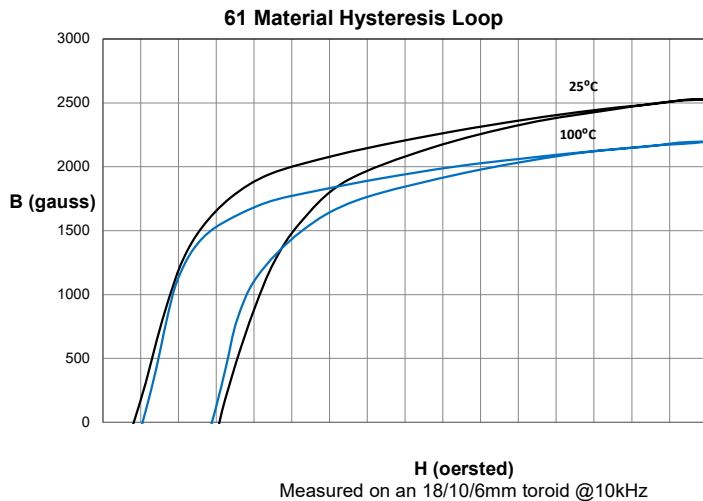
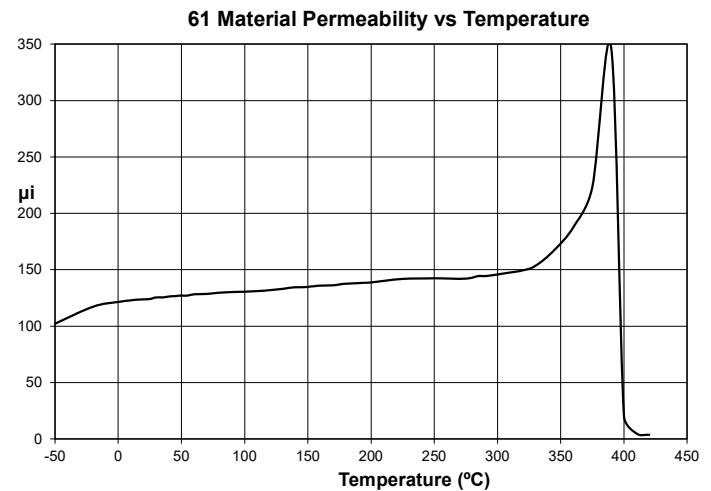
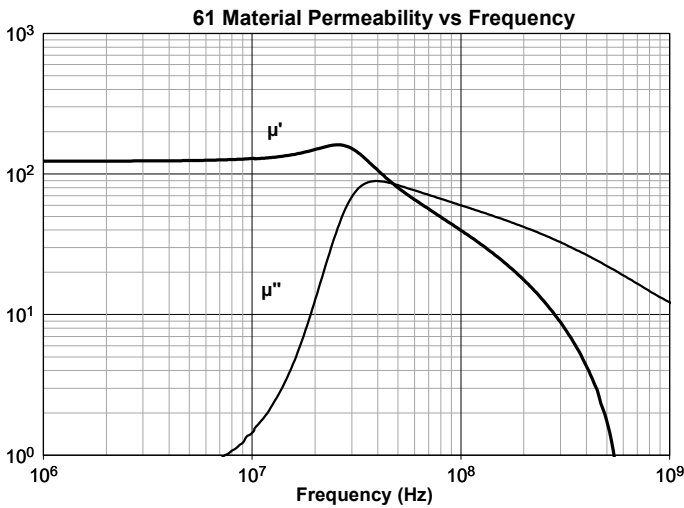
A high frequency NiZn ferrite material developed for a range of inductive applications up to 25 MHz. This material is also used in EMI applications for suppression of noise frequencies above 200 MHz. Excellent stability characteristics.

### Product Offerings:

- EMI Suppression Beads
- Beads-on-Leads
- Wound Beads
- Multi Aperture Beads
- Round Cable EMI Suppression Cores
- Round Cable Snap-Its
- Rods
- Toroid
- Application Specific Custom Components.

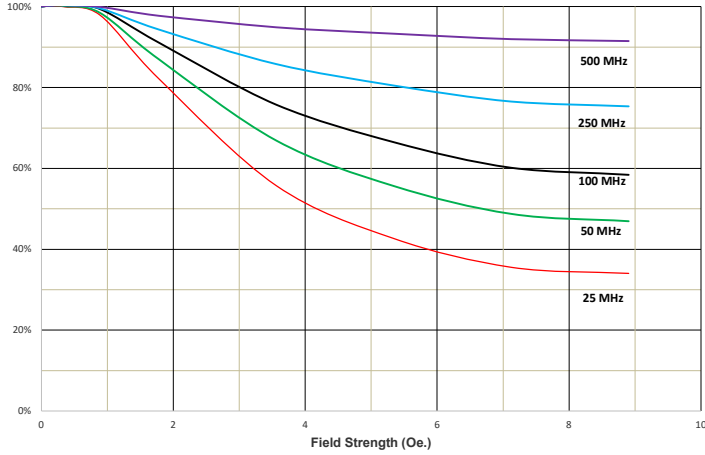
### 61 Material Characteristics:

Property	Unit	Symbol	Value
Initial Permeability @ B < 10gauss		$\mu_i$	125
Flux Density @ Field Intensity	gauss oersted	B H	2500 15
Residual Flux Density	gauss	$B_r$	1000
Coercive Force	oersted	$H_c$	1.2
Loss Factor @ Frequency	$10^{-6}$ MHz	$\tan \delta/\mu_i$	90 10
Temperature Coefficient of Initial Permeability (20-70°C)	% / °C		0.1
Curie Temperature	°C	$T_c$	> 300
Resistivity	ohm-cm	$\rho$	$1 \times 10^8$

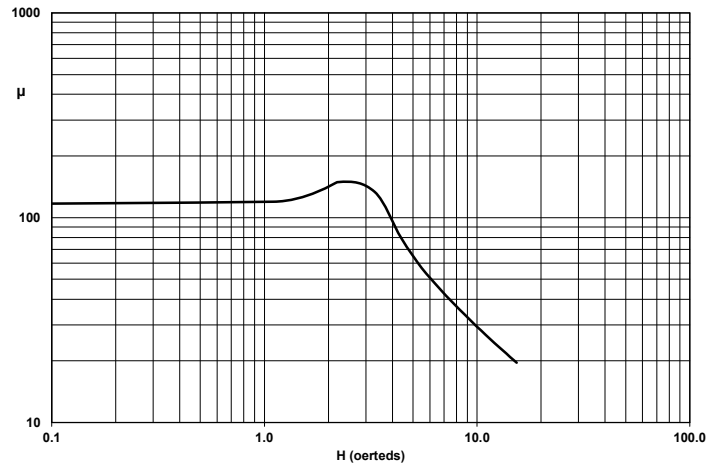




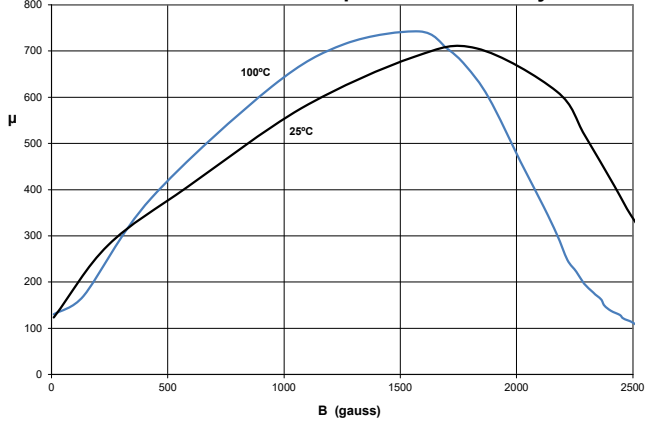
**61 Material % Original Impedance vs Field Strength**



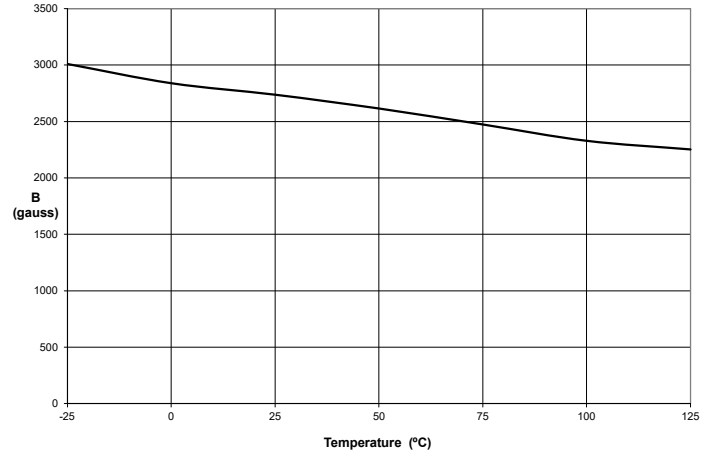
**61 Material Incremental Permeability vs Field Strength**



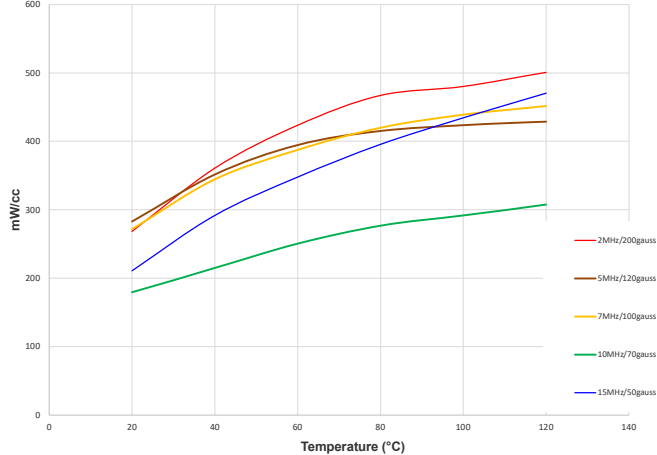
**61 Material Amplitude Permeability at 10kHz**



**61 Material Flux Density vs Temperature**



**61 Material Power Loss vs Temperature**



**61 Material Power Loss vs Flux Density**

