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## 77 Material Data Sheet

A MnZn ferrite for use in a wide range of high and low flux density inductive designs for frequencies up to 100 kHz.

Available in 77 material:

Pot Cores

E&I Cores

U Cores

Rods

Toroids

Bobbins

## 77 Material Characteristics

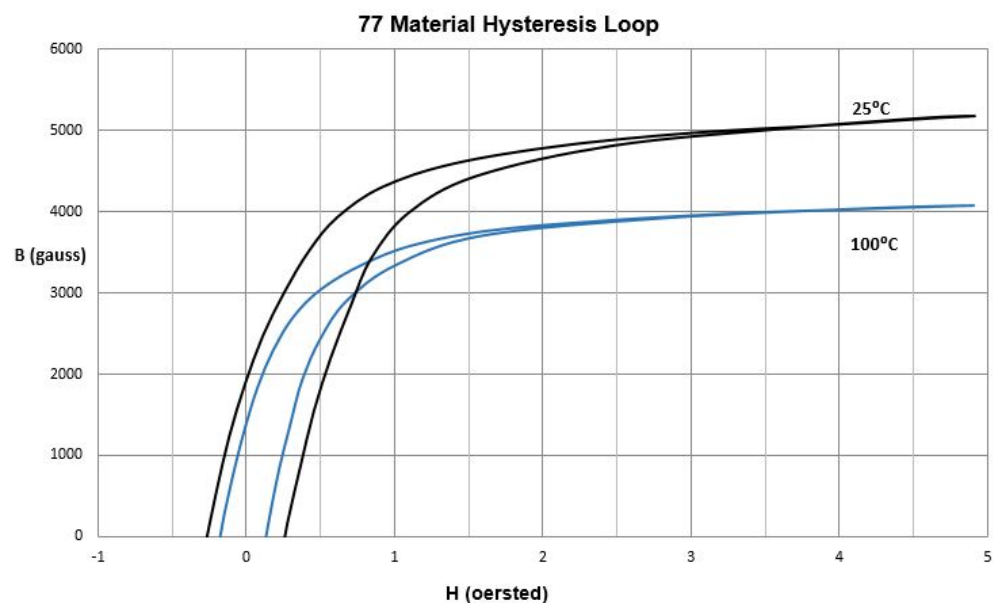
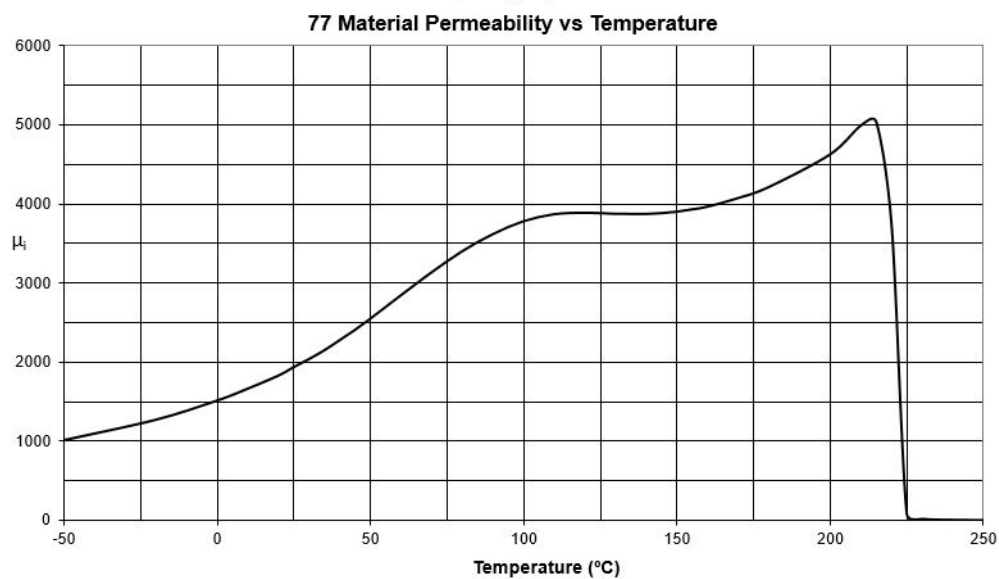
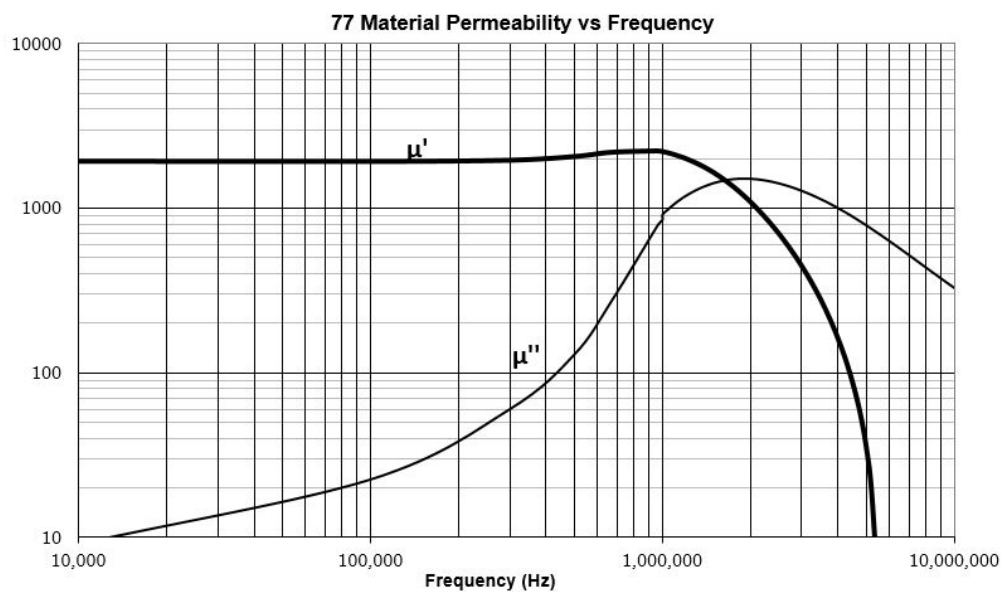
Property	Unit	Symbol	Value
Initial Permeability @ B < 10 gauss		$\mu_i$	2000
Flux Density @ Field Strength	Gauss Oersted	B H	5100 5
Residual Flux Density	Gauss	$B_r$	1800
Coercive Force	Oersted	$H_c$	0.25
Loss Factor @ Frequency	$10^{-6}$ MHz	$\tan \delta / \mu_i$	15 0.1
Temperature Coefficient of Initial Permeability (20 -70°C)	%/°C		1.2
Curie Temperature	°C	$T_c$	>200
Resistivity	ohm-cm	$\rho$	100

\*\*\*\* Characteristic curves are measured on standard Toroids (18/10/6 mm) at 25°C and 10 kHz unless

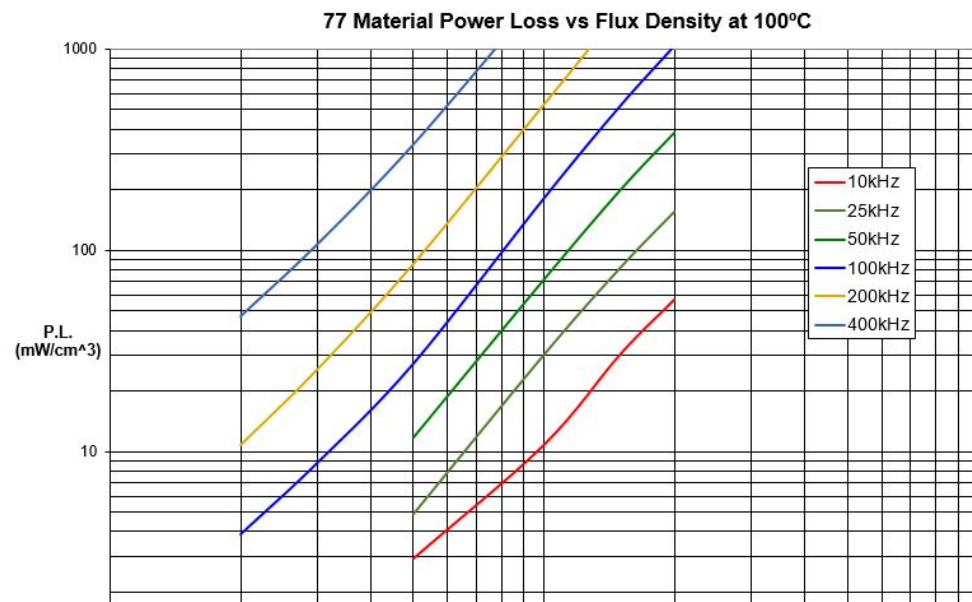
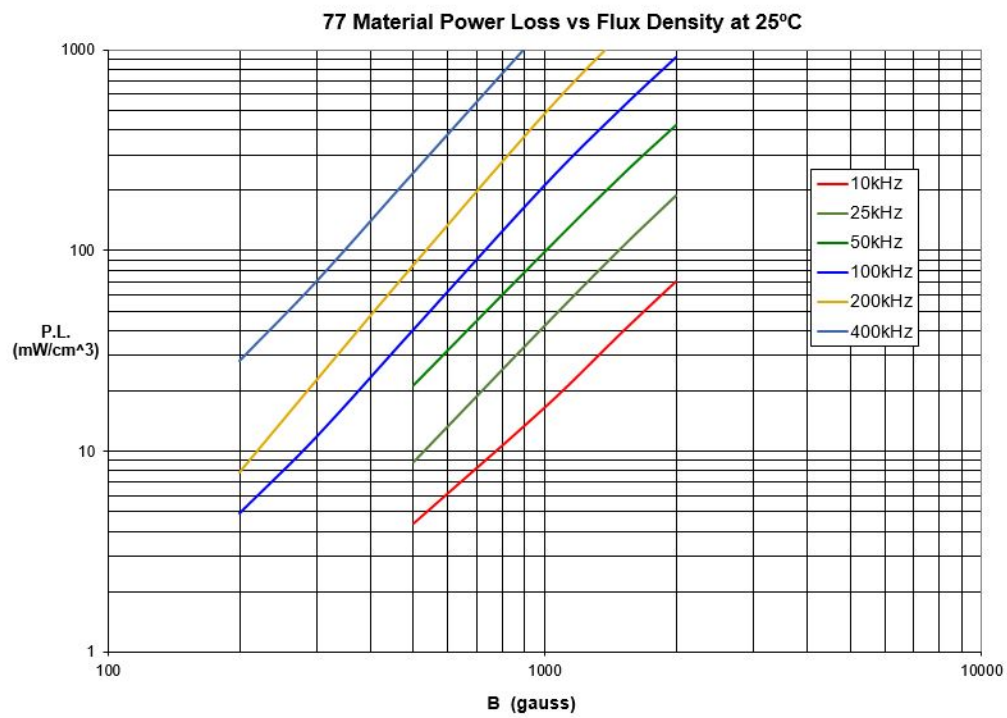
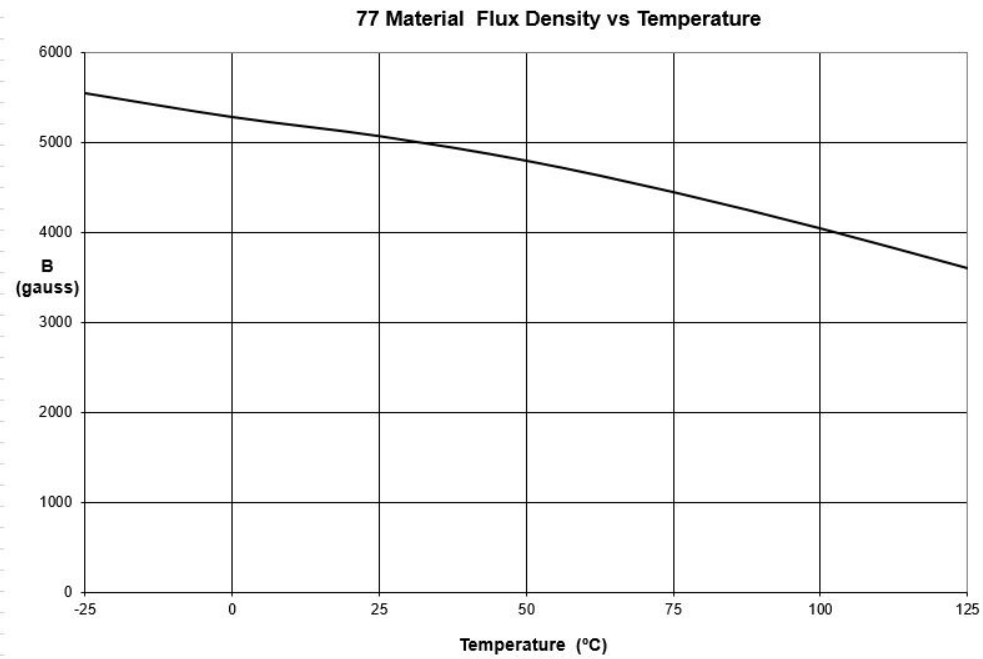
otherwise indicated. Impedance characteristics are measured on standard shield beads (3.5/1.3/6.0 mm) unless otherwise indicated.

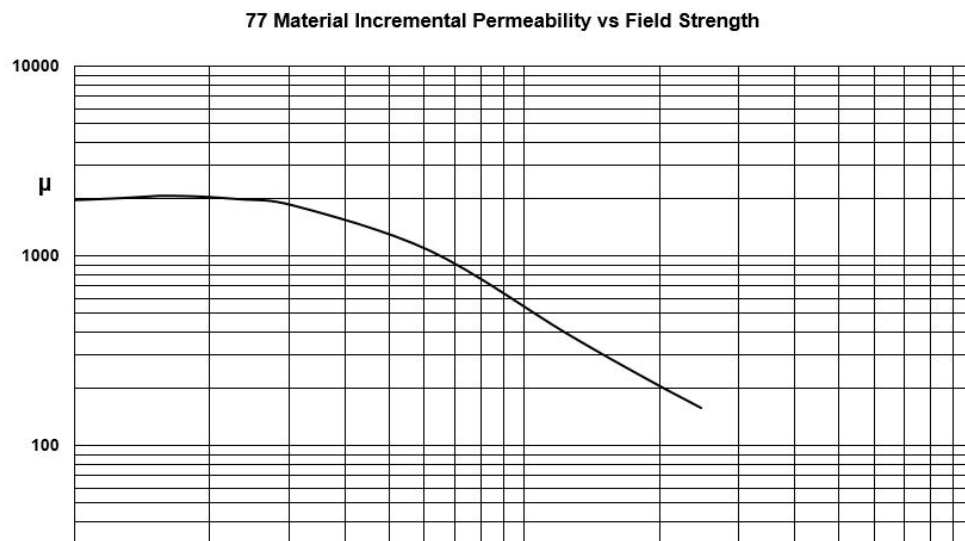
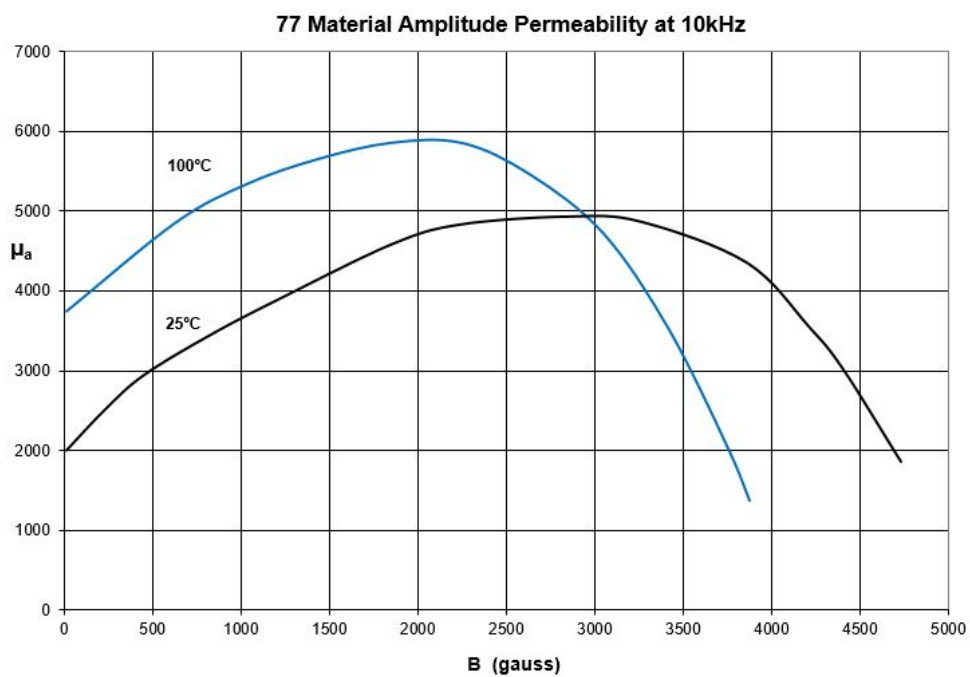
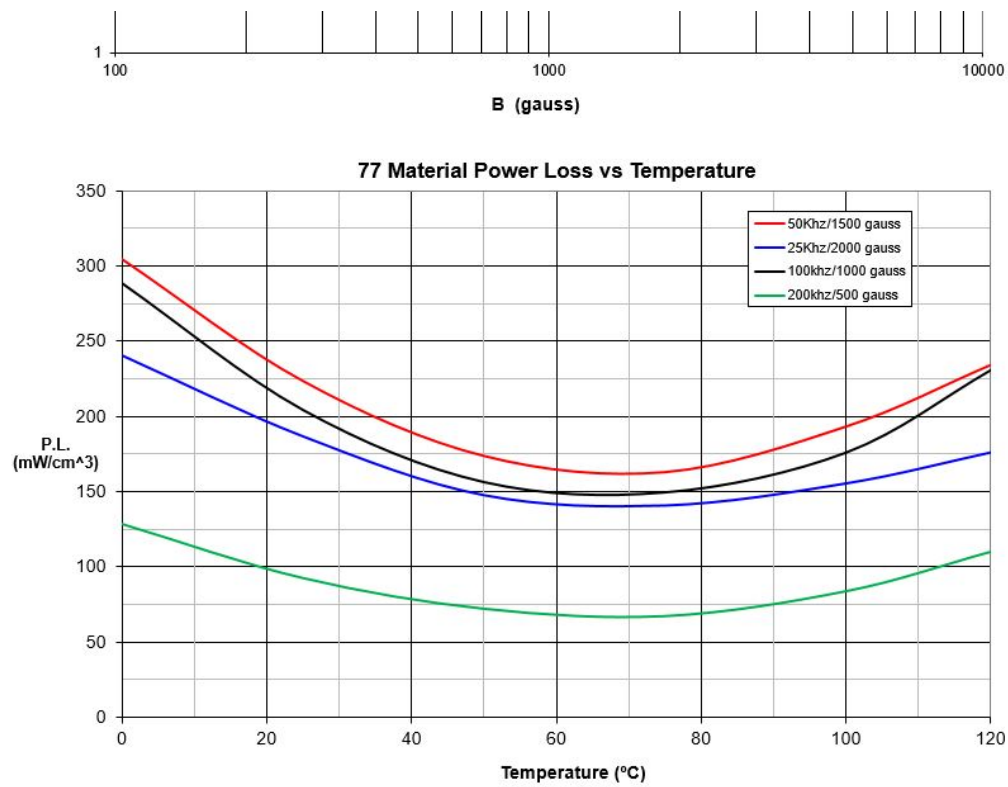
[Material Safety Data Sheet \(MSDS\)](#)

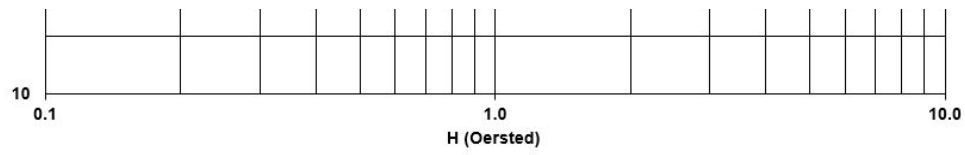
[Click here to download Complex Permeability vs. Frequency \(CSV\)](#)



Measured on an 18/10/6mm toroid @10kHz







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