



# MN95

## Mn-Zn Power Ferrite

*This material is a power ferrite developed to support high DC bias applications. It has excellent properties at elevated temperatures, such as 150°C. Suited for applications, such as filter chokes and micro-gapped toroids, operating at frequencies up to 500 KHz in high ambient temperatures.*

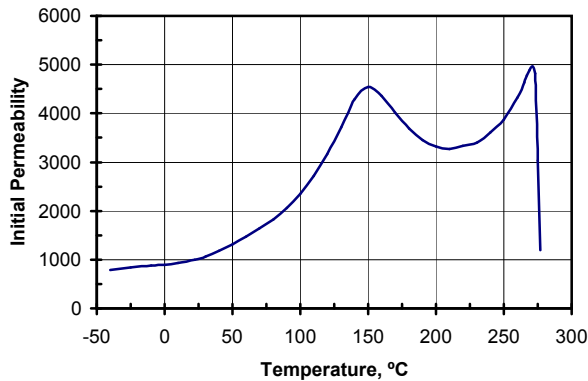
### Typical Properties

<b>Initial Permeability</b>	<b>1000</b>
<b>Maximum Permeability</b>	<b>6800</b>
<b>Saturation Flux Density</b>	<b>5000 Gauss</b>
<b>Remanent Flux Density</b>	<b>2000 Gauss</b>
<b>Coercive Force</b>	<b>0.14 Oersted</b>
<b>Curie Temperature</b>	<b>275°C</b>
<b>dc Volume Resistivity</b>	<b>2500 ohm-cm</b>
<b>Bulk Density</b>	<b>4.70 g/cc</b>

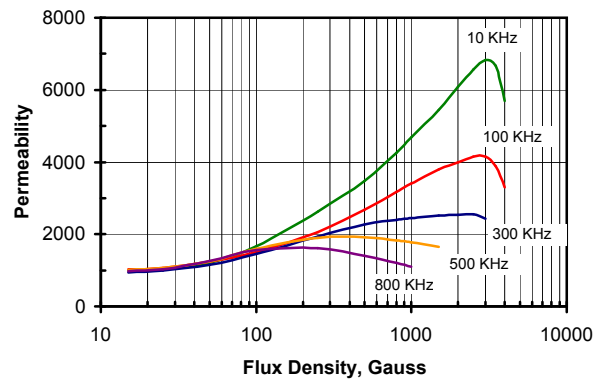
*Unless otherwise specified, all tests were performed at 10 KHz, 22°C*

*Bs tested at 1 KHz, 20 Oersted • Br, Hc at 1 KHz, 5 Oersted*

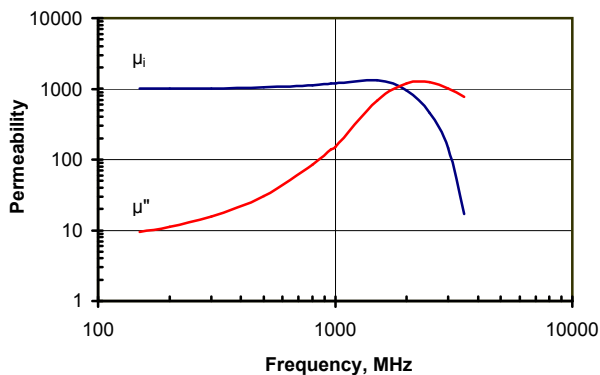
**Initial Permeability vs. Temperature**



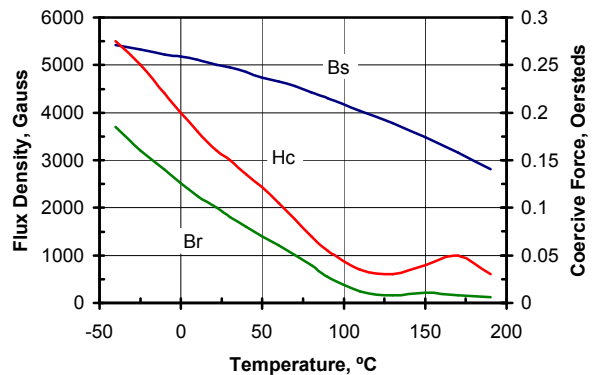
**Permeability vs. Flux Density**



**Complex Permeability vs. Frequency**



**BH Loop Parameters vs. Temperature**

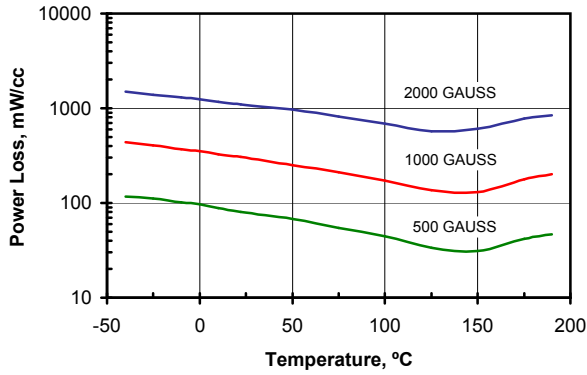




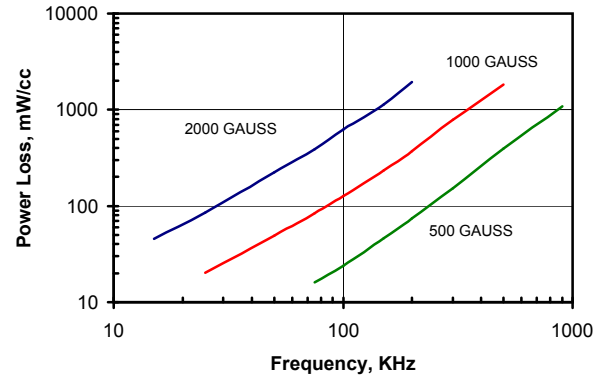
# MN95

## Mn-Zn Power Ferrite

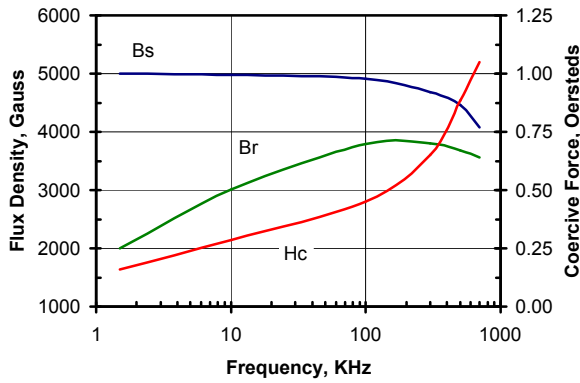
Power Loss vs. Temperature at 100KHz



Power Loss vs. Frequency at 150°C



BH Loop Parameters vs. Frequency



BH Loop Parameters vs. Frequency at 150°C

