Ceramic Magnetics, Inc.
a Division of National Magnetics Group

MN90

Mn-Zn Power Ferrite

This material is a medium frequency power ferrite designed to work at 100 KHz and 80ºC.
It has a permeabilityof 2500 at room temperature, low power loss and good magnetization.
It is available in large blocks for custom-machined shapes.

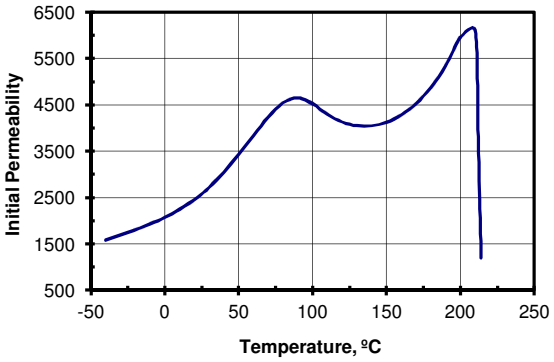
Typical Properties

Initial Permeability	**2500**
Maximum Permeability	**6200**
Saturation Flux Density	**4200 Gauss**
Remanent Flux Density	**600 Gauss**
Coercive Force	**0.085 Oersted**
Curie Temperature	**215ºC**
dc Volume Resistivity	**4000 ohm-cm**
Bulk Density	**4.42 g/cc**

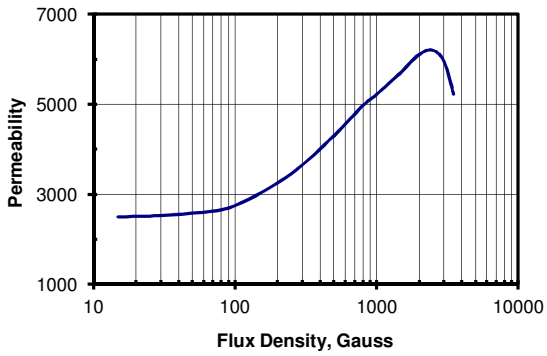
Unless otherwise specified, all tests were performed at 10 KHz, 22ºC

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

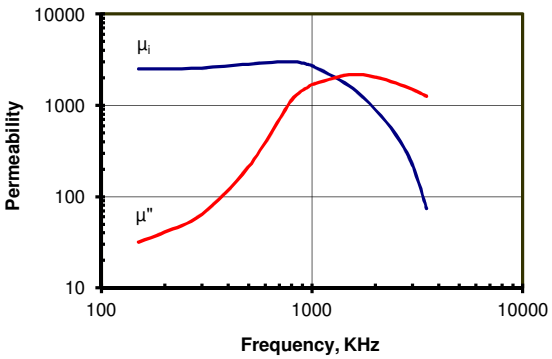
Initial Permeability vs. Temperature



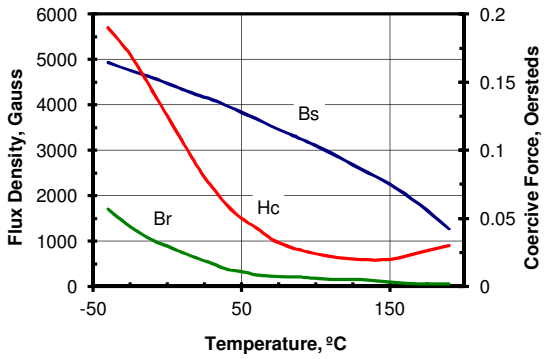
Permeability vs. Flux Density



Complex Permeability vs. Frequency



BH Loop Parameters vs. Temperature



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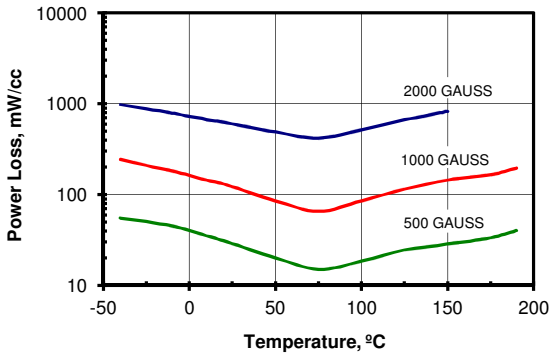
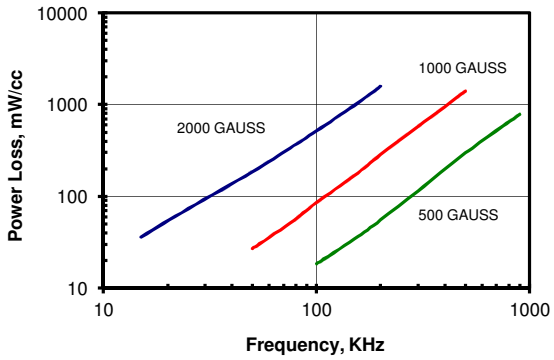
Power Loss vs. Temperature at 100KHz



Power Loss vs. Frequency at 100°C



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