Ceramic Magnetics, Inc.
a Division of National Magnetics Group

MN92

Mn-Zn Power Ferrite

This material is a high saturation flux density power ferrite designed for high density power supplies. It is optimized for 100 KHz at 125ºC operation.

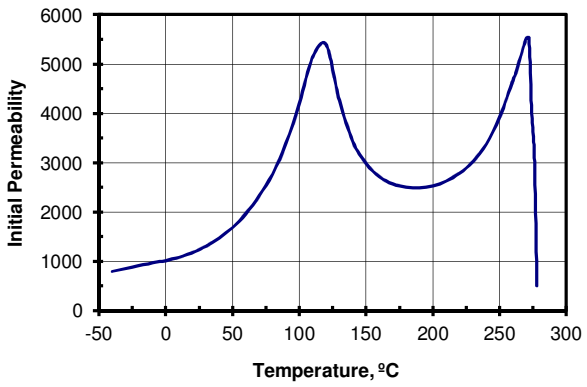
Typical Properties

Initial Permeability	**1200**
Maximum Permeability	**8000**
Saturation Flux Density	**4800 Gauss**
Remanent Flux Density	**2100 Gauss**
Coercive Force	**0.12 Oersted**
Curie Temperature	**275ºC**
dc Volume Resistivity	**325 ohm-cm**
Bulk Density	**4.70 g/cc**

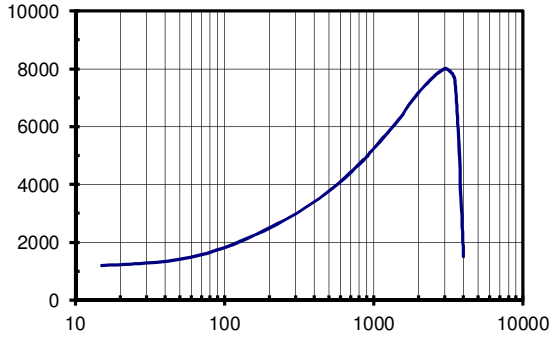
Unless otherwise specified, all tests were performed at 10 KHz, 22ºC

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

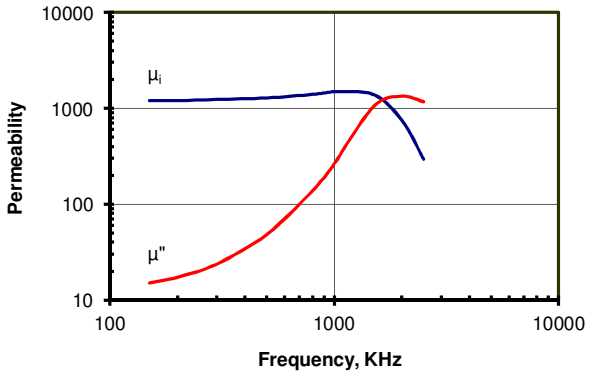
Initial Permeability vs. Temperature



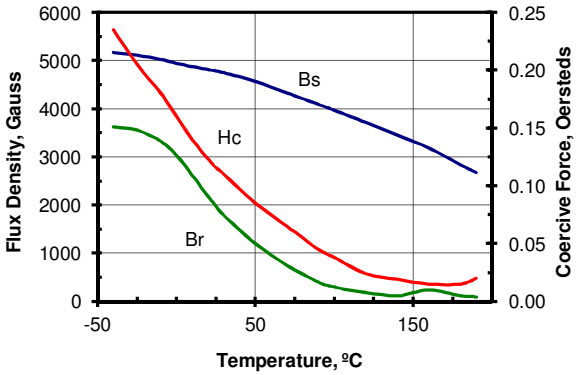
Permeability vs. Flux Density



Complex Permeability vs. Frequency



BH Loop Parameters vs. Temperature



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Rev. 9/19

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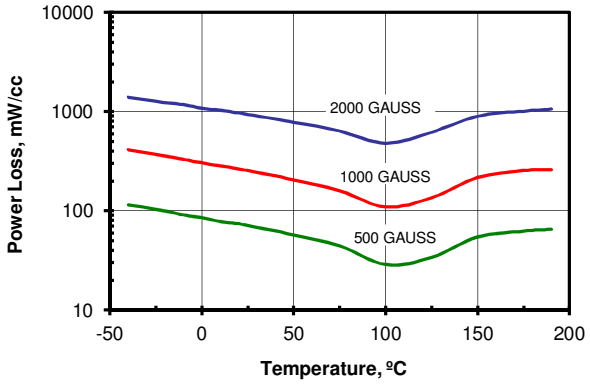
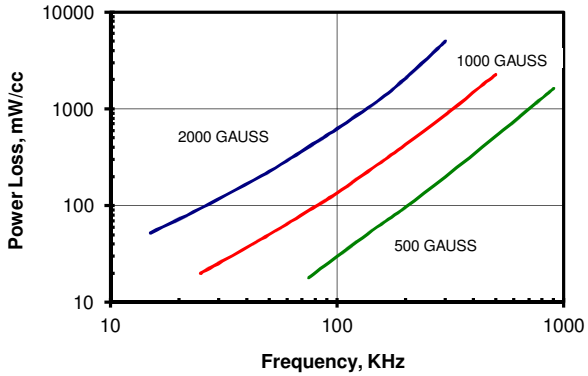
Power Loss vs. Temperature at 100KHz



Power Loss vs. Frequency at 125°C



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