Ceramic Magnetics, Inc.
a Division of National Magnetics Group

MN100

General Purpose, Very High Permeability Mn-Zn Ferrite

MN100 is an extremely linear ferrite material, characterized by a narrow BH loop and a high permeability. It is an excellent choice for linear and high voltage devices, as well as pulse transformers.

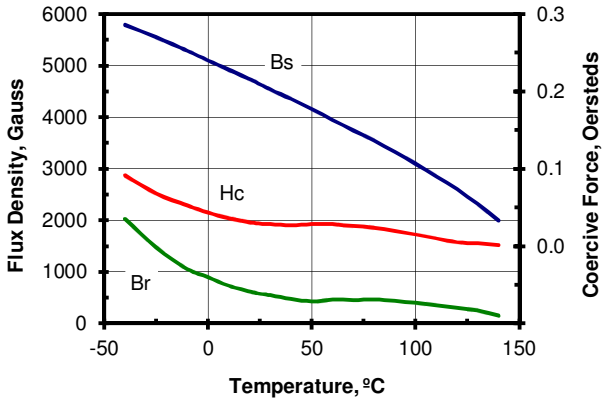
Typical Properties

Initial Permeability	**9000**
Maximum Permeability	**11,500**
Saturation Flux Density	**4700 Gauss**
Remanent Flux Density	**600 Gauss**
Coercive Force	**0.03 Oersted**
Curie Temperature	**170ºC**
dc Volume Resistivity	**200 ohm-cm**
Bulk Density	**4.8 g/cc**

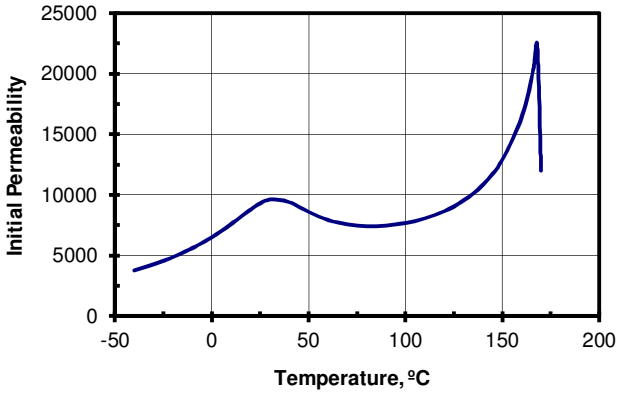
Unless otherwise specified, all tests were performed at 10 KHz, 22ºC

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

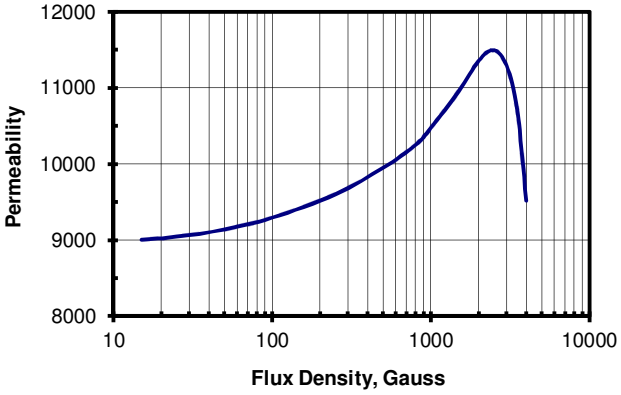
BH Loop Parameters vs. Temperature



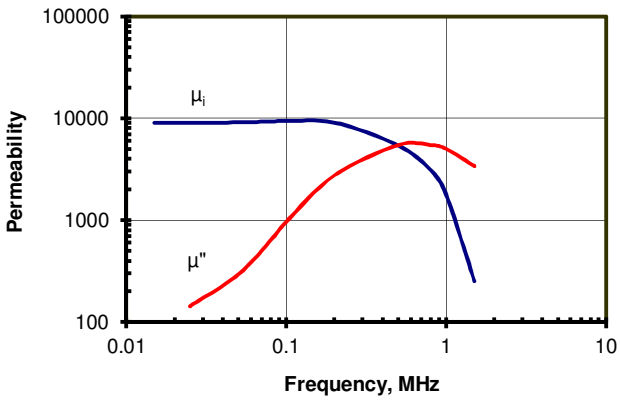
Initial Permeability vs. Temperature



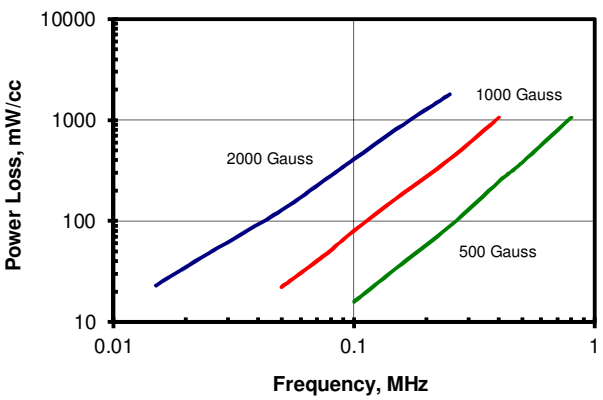
Permeability vs. Flux Density



Complex Permeability vs. Frequency



Power Loss vs. Frequency



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