



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.

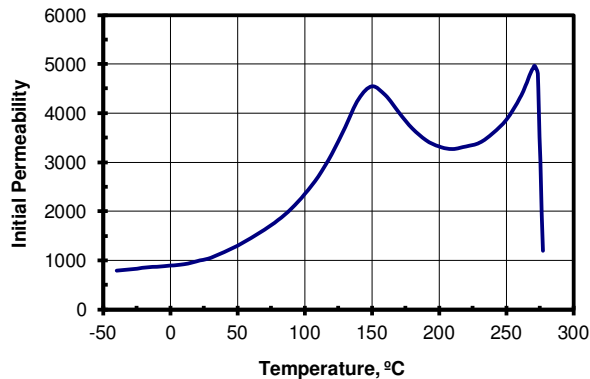
Typical Properties

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

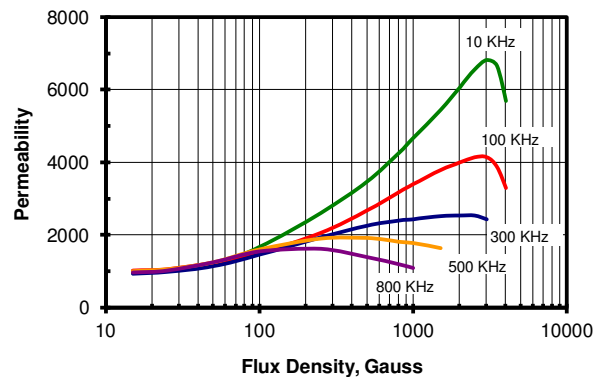
Unless otherwise specified, all tests were performed at 10 KHz, 22°C

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

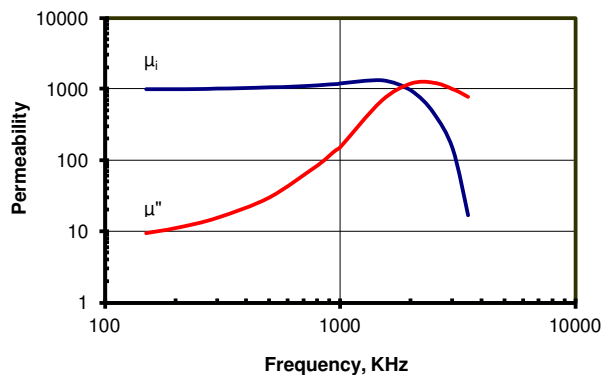
Initial Permeability vs. Temperature



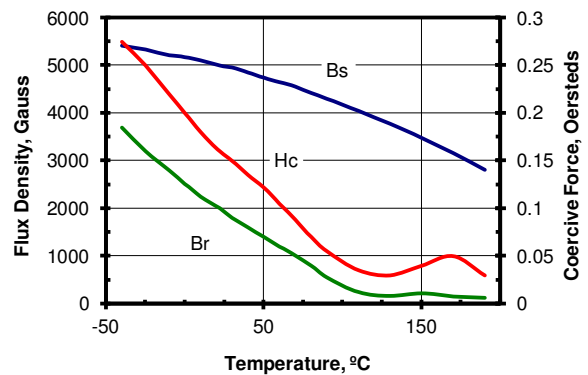
Permeability vs. Flux Density



Complex Permeability vs. Frequency



BH Loop Parameters vs. Temperature

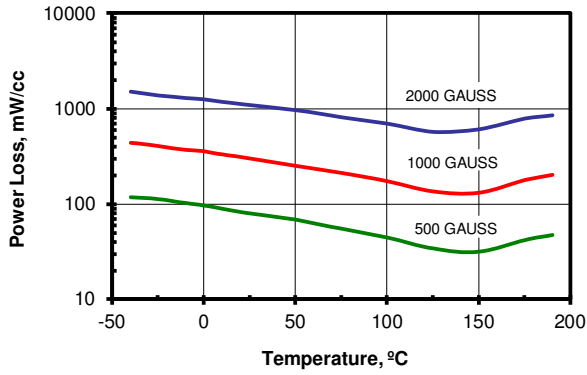




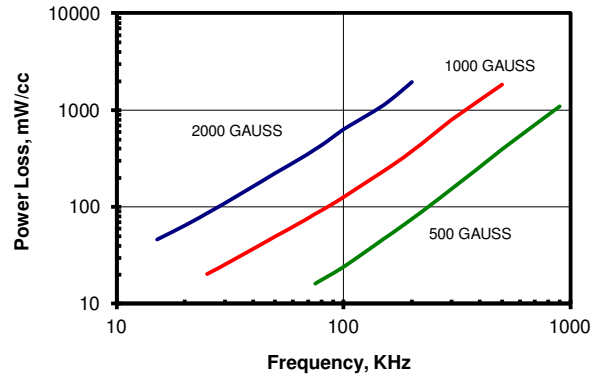
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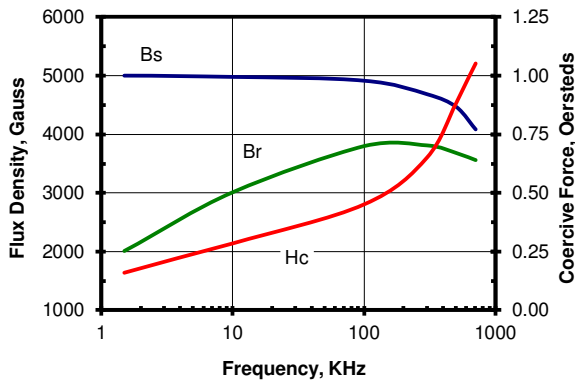
Power Loss vs. Temperature at 100KHz



Power Loss vs. Frequency at 150°C



BH Loop Parameters vs. Frequency



BH Loop Parameters vs. Frequency at 150°C

