



# MN80

## Mn-Zn Power Ferrite

*MN80 is especially suited for applications in high density power systems where low power losses are required. It has lowest losses at ambient temperatures of 110°C and can operate up to 1 MHz.*

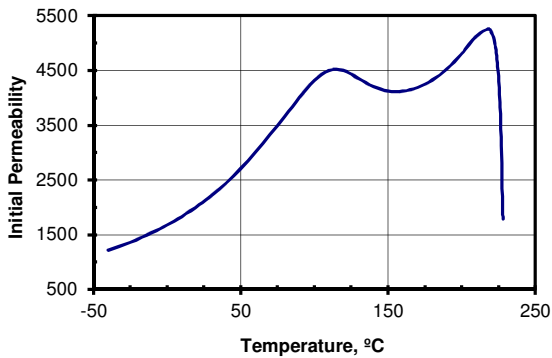
### Typical Properties

Initial Permeability	2050
Maximum Permeability	5000
Saturation Flux Density	4900 Gauss
Remanent Flux Density	1600 Gauss
Coercive Force	0.18 Oersted
Curie Temperature	230°C
dc Volume Resistivity	1600 ohm-cm
Bulk Density	4.75 g/cc

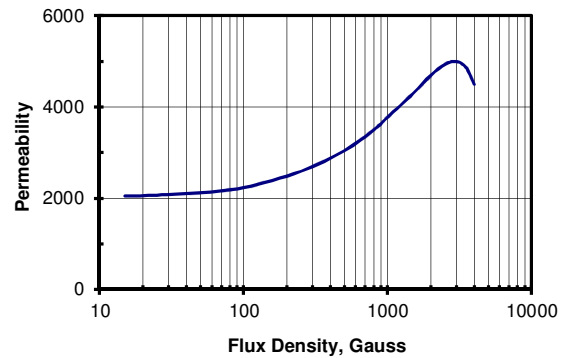
*Unless otherwise specified, all tests were performed at 10 KHz, 22°C*

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

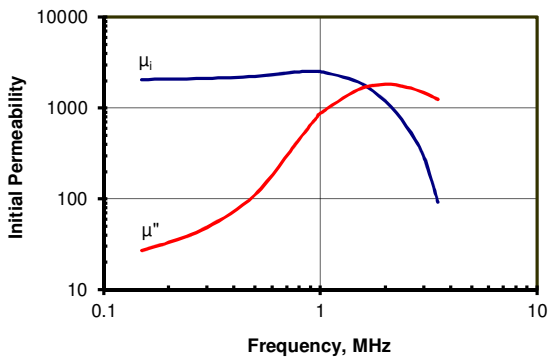
**Initial Permeability vs. Temperature**



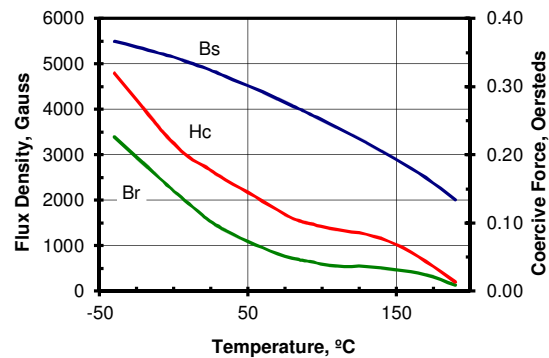
**Permeability vs. Flux Density**



**Complex Permeability vs. Frequency**



**BH Loop Parameters vs. Temperature**

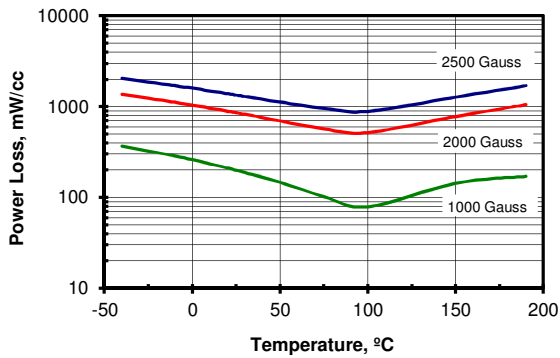




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## Mn-Zn Power Ferrite

Power Loss vs. Temperature at 100 KHz



Power Loss vs. Frequency at 125°C

