Ceramic Magnetics, Inc.
a Division of National Magnetics Group

**MN98**

**Mn-Zn Power Ferrite**

This material is a power ferrite developed for down-the-hole oil well applications where high flux and high temperatures are encountered. This material is designed to operate at frequencies up to 500 KHz and temperatures up to 230°C.

**Typical Properties**

- Initial Permeability: 1100
- Maximum Permeability: 4500
- Saturation Flux Density: 4800 Gauss
- Remanent Flux Density: 3600 Gauss
- Coercive Force: 0.29 Oersted
- Curie Temperature: 265°C
- dc Volume Resistivity: 5000 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
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**Power Loss vs. Temperature at 100KHz**

**Power Loss vs. Frequency at 200°C**

**BH Loop Parameters vs. Frequency**

**BH Loop Parameters vs. Frequency at 200°C**