



# MN30 General Purpose Mn-Zn Ferrite

*Moderate initial permeability, high Q, and high resistivity permit these ferrites to function very well as inductors, antenna elements, and broadband transformers*

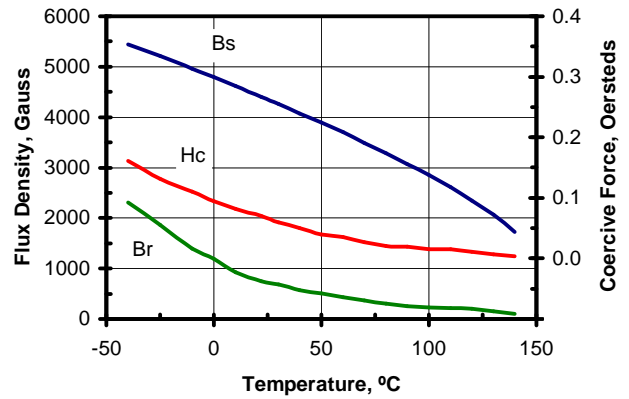
### Typical Properties

|                                |                     |
|--------------------------------|---------------------|
| <b>Initial Permeability</b>    | <b>4300</b>         |
| <b>Maximum Permeability</b>    | <b>7500</b>         |
| <b>Saturation Flux Density</b> | <b>4400 Gauss</b>   |
| <b>Remanent Flux Density</b>   | <b>750 Gauss</b>    |
| <b>Coercive Force</b>          | <b>0.07 Oersted</b> |
| <b>Curie Temperature</b>       | <b>170°C</b>        |
| <b>dc Volume Resistivity</b>   | <b>150 ohm-cm</b>   |
| <b>Bulk Density</b>            | <b>4.75 g/cc</b>    |

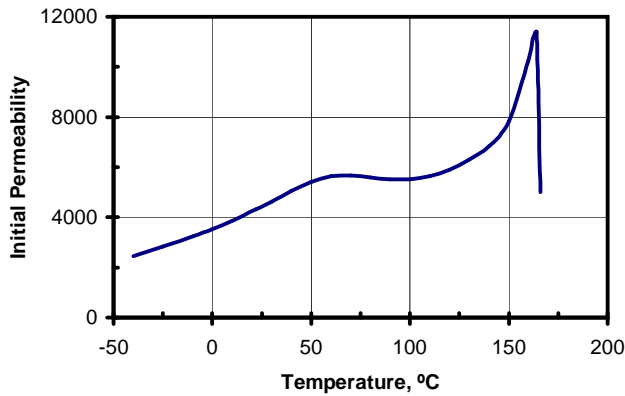
*Unless otherwise specified, all tests were performed at 10 KHz, 22°C*

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

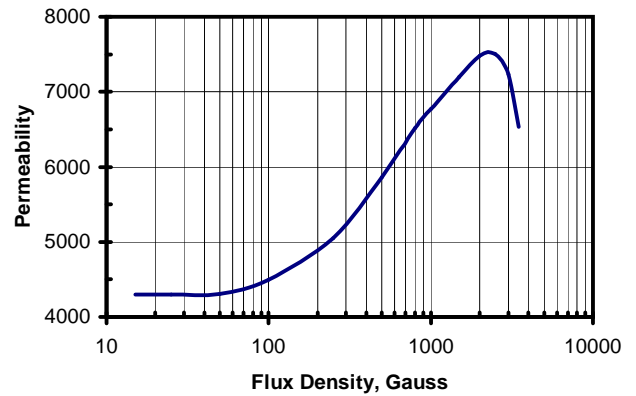
**BH Loop Parameters vs. Temperature**



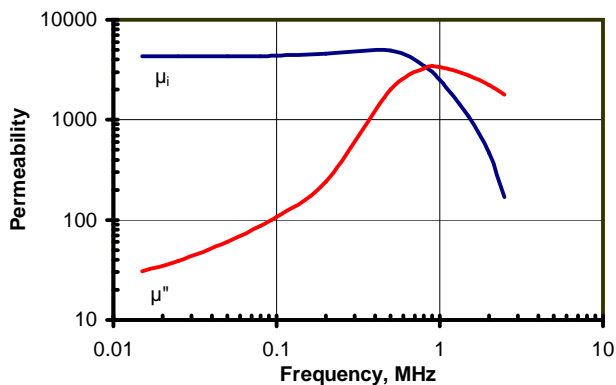
**Initial Permeability vs. Temperature**



**Permeability vs. Flux Density**



**Complex Permeability vs. Frequency**



**Power Loss vs. Frequency**

