



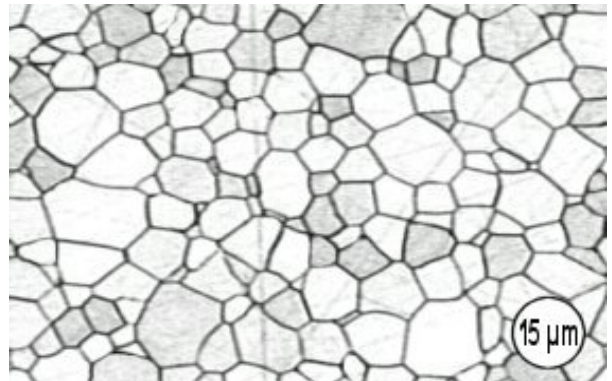
# MND5100

## Ultra-High Density, Fine-Grained Mn-Zn Ferrite

*MND5100 was originally developed for recording head applications, but because of its' unique mechanical and physical properties, it now excels in such uses as specialty transformers, non-destructive testing, and current probes. Its' absence of porosity make it ideally suited for deposition and wear-resistant applications.*

### Typical Properties

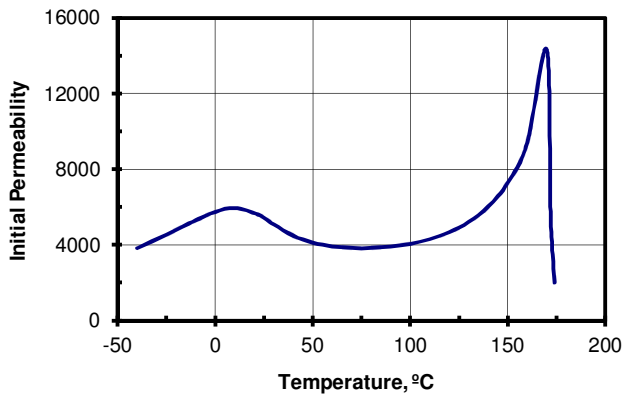
Initial Permeability	5600
Maximum Permeability	8100
Saturation Flux Density	5100 Gauss
Remanent Flux Density	400 Gauss
Coercive Force	0.05 Oersted
Curie Temperature	175°C
dc Volume Resistivity	60 ohm-cm
Bulk Density	5.086 g/cc
Grain Size	12 $\mu\text{m}$



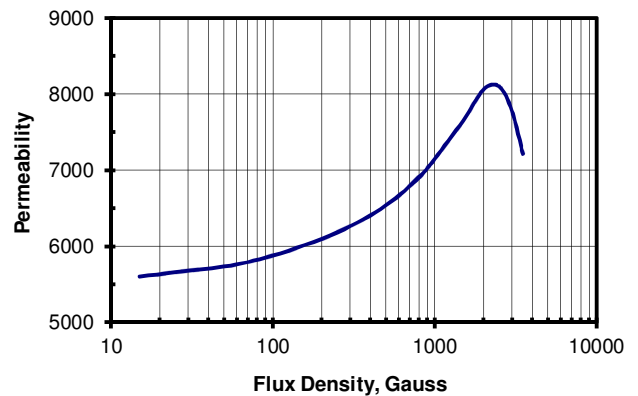
*Unless otherwise specified, all tests were performed at 10 KHz, 22°C*

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

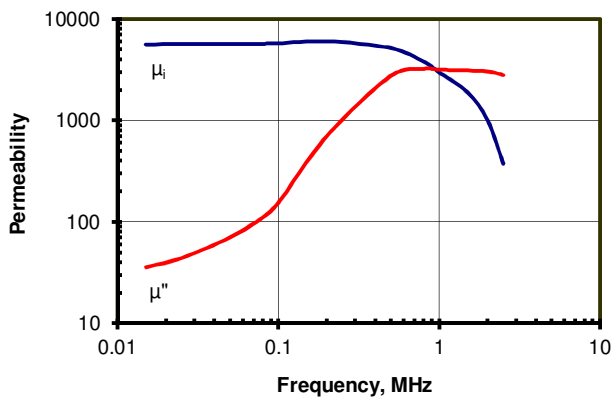
**Initial Permeability vs. Temperature**



**Permeability vs. Flux Density**



**Complex Permeability vs. Frequency**



**BH Loop Parameters vs. Temperature**

