



# CMD908

## Ultra-High Density Ni-Zn Ferrite

*This material is a fine-grained, full dense, hot iso pressed Ni-Zn ferrite formally used for recording head applications. Today it is used in wear-resistant applications where a 100% dense Ni-Zn ferrite is required.*

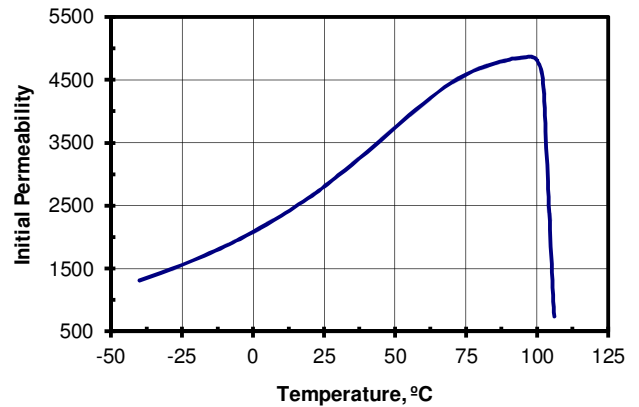
### Typical Properties

<b>Initial Permeability</b>	<b>2700</b>
<b>Maximum Permeability</b>	<b>7800</b>
<b>Saturation Flux Density</b>	<b>3200 Gauss</b>
<b>Remanent Flux Density</b>	<b>900 Gauss</b>
<b>Coercive Force</b>	<b>0.06 Oersted</b>
<b>Curie Temperature</b>	<b>105°C</b>
<b>dc Volume Resistivity</b>	<b>10<sup>6</sup> ohm-cm</b>
<b>Bulk Density</b>	<b>5.33 g/cc</b>

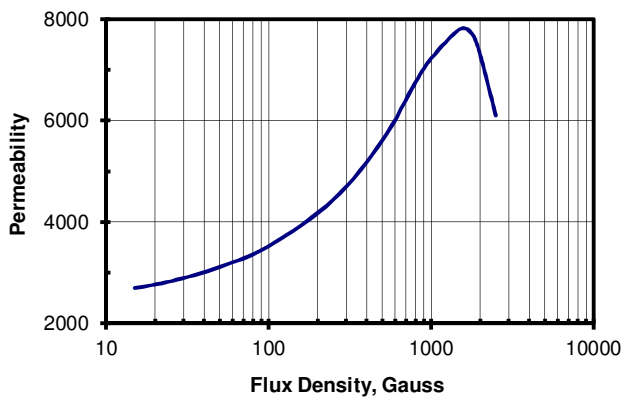
*Unless otherwise specified, all tests were performed at 10 KHz, 22°C*

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

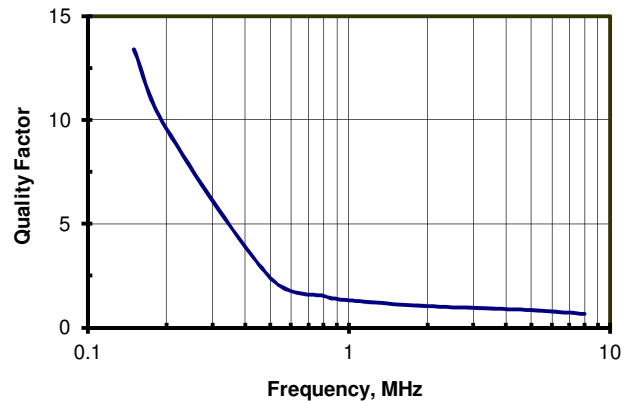
### Initial Permeability vs. Temperature



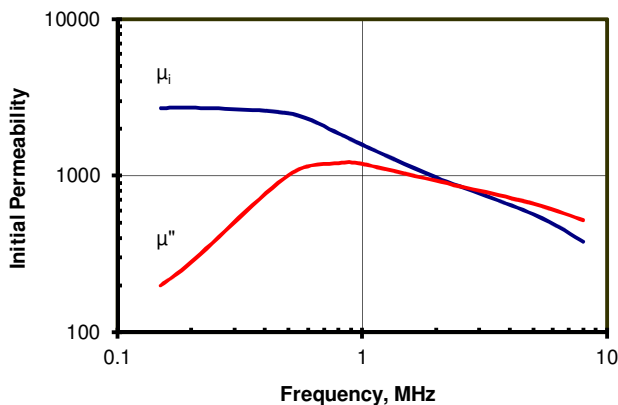
### Permeability vs. Flux Density



### Quality Factor vs. Frequency



### Initial Permeability vs. Frequency



### BH Loop Parameters vs. Temperature

