



# XTH2

*XTH2 is an 80 permeability Ni-Zn ferrite designed to operate up to 50 MHz and temperatures to 200°C where a high Q is required.*

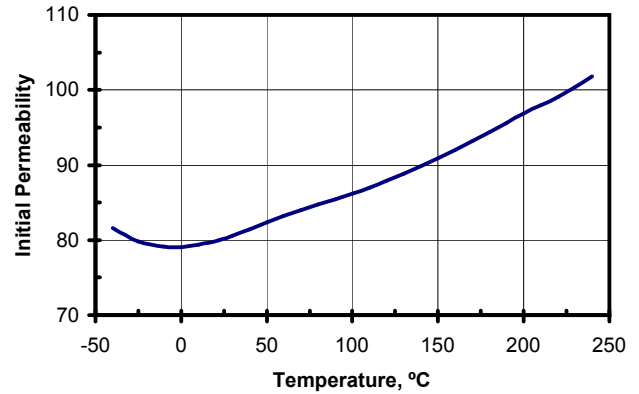
## Typical Properties

<b>Initial Permeability</b>	<b>80</b>
<b>Maximum Permeability</b>	<b>440</b>
<b>Saturation Flux Density</b>	<b>3600 Gauss</b>
<b>Remanent Flux Density</b>	<b>1200 Gauss</b>
<b>Coercive Force</b>	<b>2.0 Oersted</b>
<b>Curie Temperature</b>	<b>300°C</b>
<b>dc Volume Resistivity</b>	<b>10<sup>8</sup> ohm-cm</b>
<b>Bulk Density</b>	<b>4.60 g/cc</b>

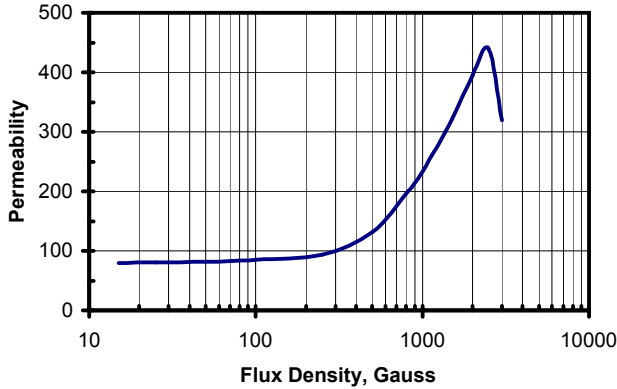
*Unless otherwise specified, all tests were performed at 10 KHz, 22°C*

*Bs tested at 1 KHz, 40 Oersted • Br, Hc at 1 KHz, 5 Oersted*

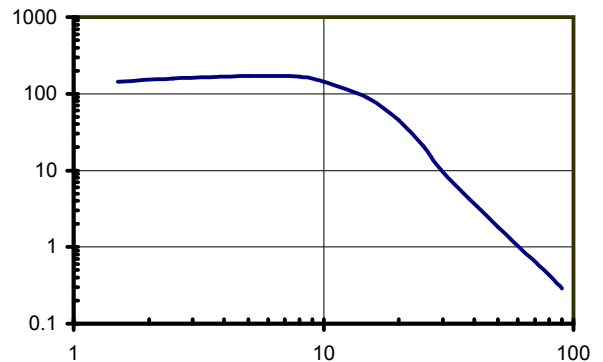
## Initial Permeability vs. Temperature



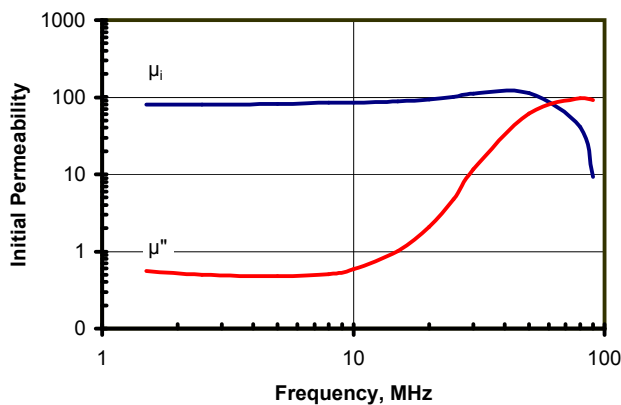
## Permeability vs. Flux Density



## Quality Factor vs. Frequency



## Initial Permeability vs. Frequency



## BH Loop Parameters vs. Temperature

