



# C2050

## High Frequency Ni-Zn Ferrite

*Typical applications for this general purpose ferrite are Broadband Amplifiers, low end 10 MHz, and H field antennas. Standard core geometries are toroids and baluns for inductive and transmission line coupled transformers.*

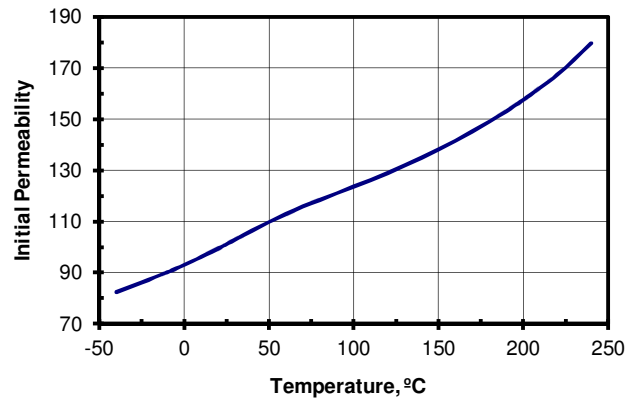
### Typical Properties

Initial Permeability	100
Maximum Permeability	600
Saturation Flux Density	3700 Gauss
Remanent Flux Density	2300 Gauss
Coercive Force	2.0 Oersted
Curie Temperature	340°C
dc Volume Resistivity	10 <sup>9</sup> ohm-cm
Bulk Density	4.60 g/cc

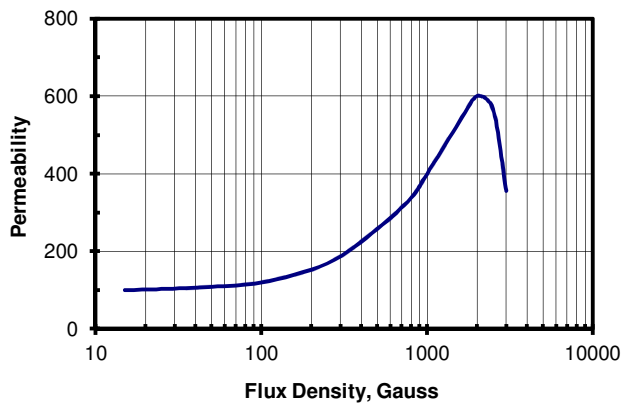
*Unless otherwise specified, all tests were performed at 10 KHz, 22°C*

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

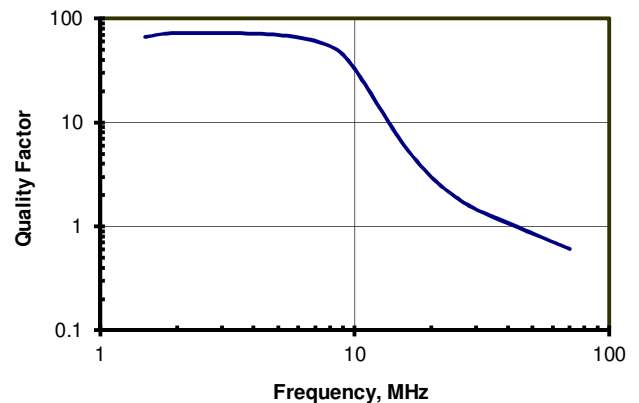
### Initial Permeability vs. Temperature



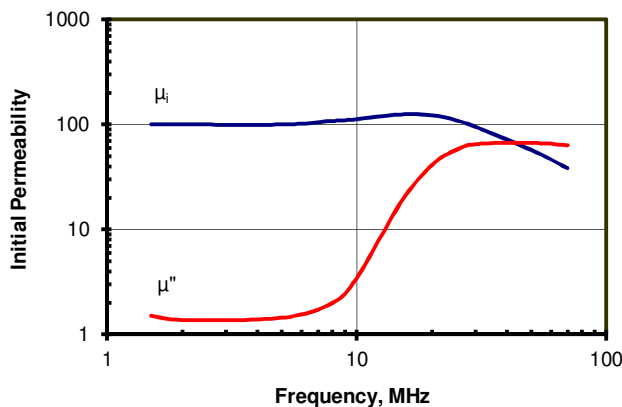
### Permeability vs. Flux Density



### Quality Factor vs. Frequency



### Complex Permeability vs. Frequency



### BH Loop Parameters vs. Temperature

