



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.

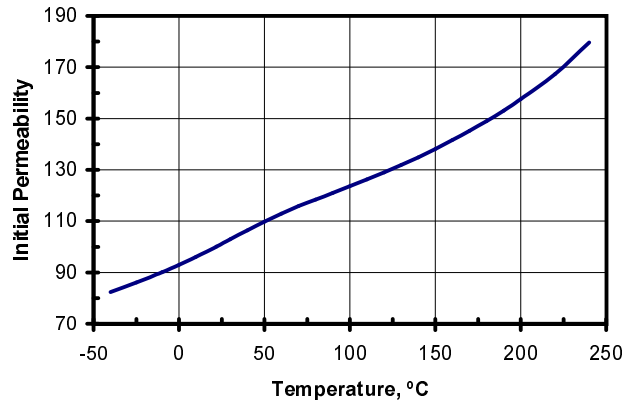
Typical Properties

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	10⁹ ohm-cm
Bulk Density	4.60 g/cc

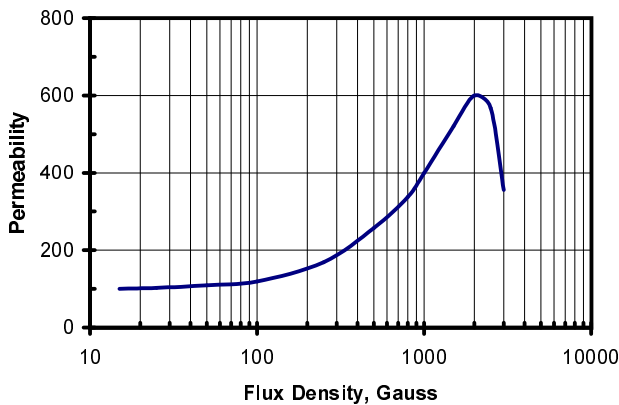
Unless otherwise specified, all tests were performed at 10 KHz, 22°C

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

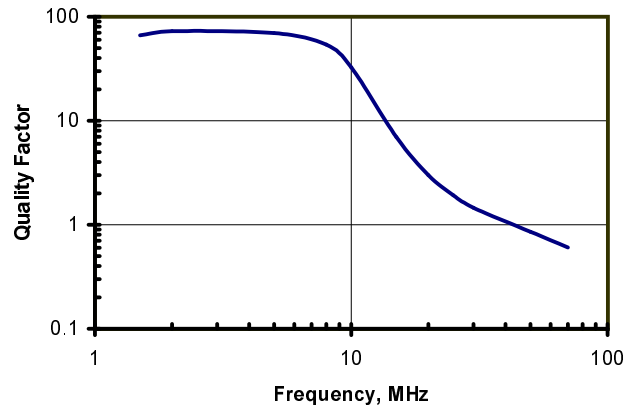
Initial Permeability vs. Temperature



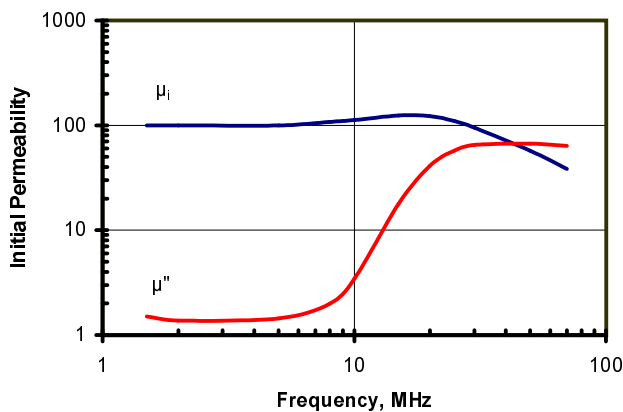
Permeability vs. Flux Density



Quality Factor vs. Frequency



Complex Permeability vs. Frequency



BH Loop Parameters vs. Temperature

