



N40

High Frequency Ni-Zn Ferrite

N40 is a Ni-Zn ferrite containing cobalt which has a suitable Q for inductive devices in the 1 to 100 MHz frequency range.

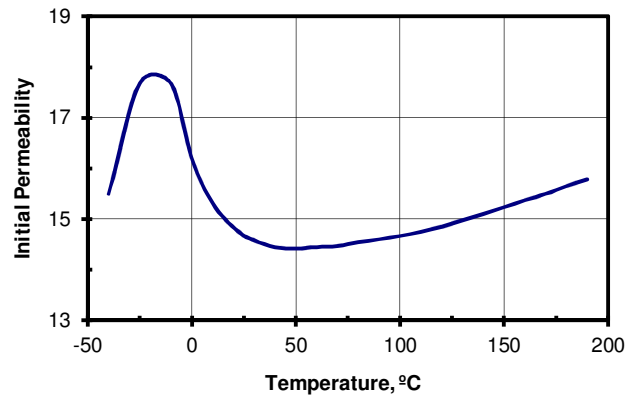
Typical Properties

Initial Permeability	15
Saturation Flux Density	2500 Gauss
Remanent Flux Density	950 Gauss
Coercive Force	8.0 Oersted
Curie Temperature	600°C
dc Volume Resistivity	10^{10} ohm-cm
Bulk Density	4.80 g/cc

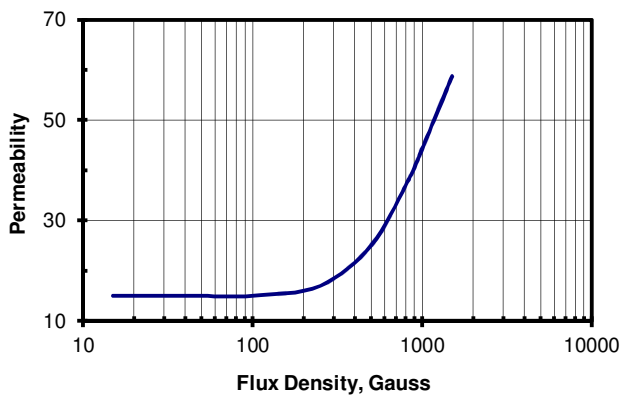
Unless otherwise specified, all tests were performed at 10 KHz, 22°C

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

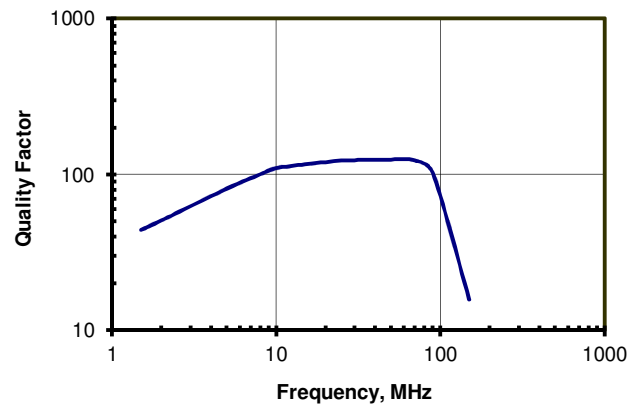
Initial Permeability vs. Temperature



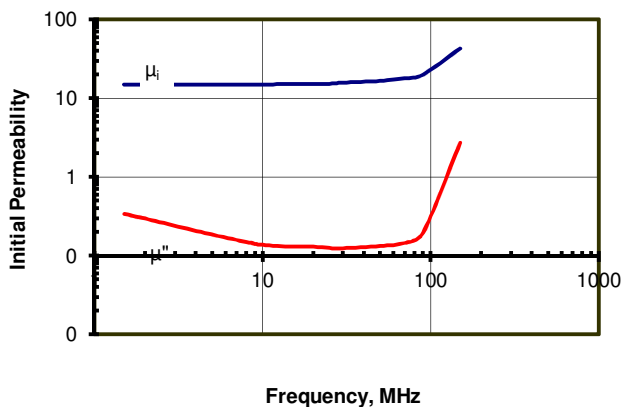
Permeability vs. Flux Density



Quality Factor vs. Frequency



Complex Permeability vs. Frequency



BH Loop Parameters vs. Temperature

