



N40

High Frequency Ni-Zn Ferrite

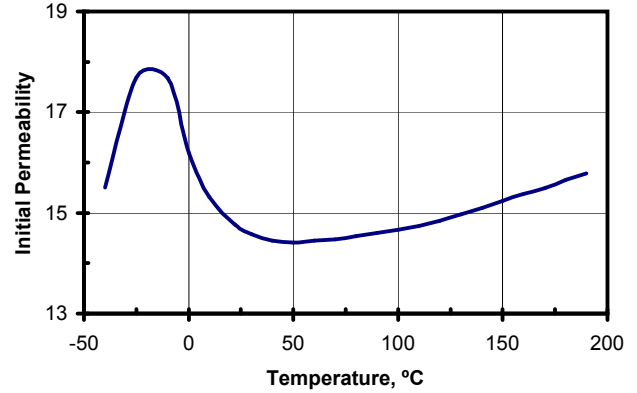
N40 is a Ni-Zn ferrite containing cobalt which has a suitable Q for inductive devices in the 1 to 100 MHz frequency range.

Typical Properties

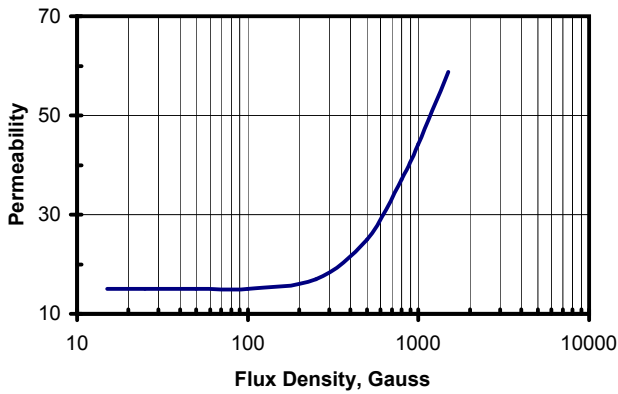
| | |
|--------------------------------|------------------------------------|
| Initial Permeability | 15 |
| Saturation Flux Density | 2500 Gauss |
| Remanent Flux Density | 950 Gauss |
| Coercive Force | 8.0 Oersted |
| Curie Temperature | 600°C |
| dc Volume Resistivity | 10^{10} ohm-cm |
| Bulk Density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

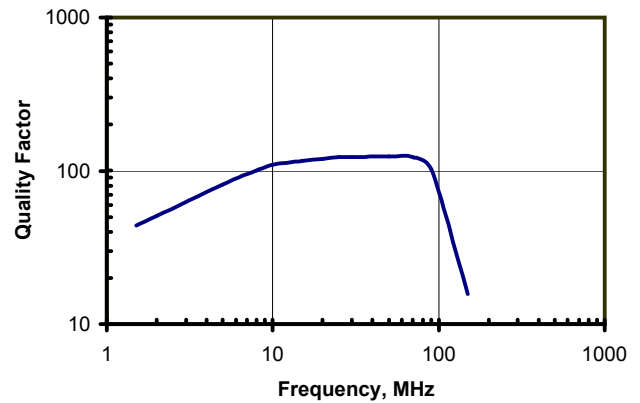
Initial Permeability vs. Temperature



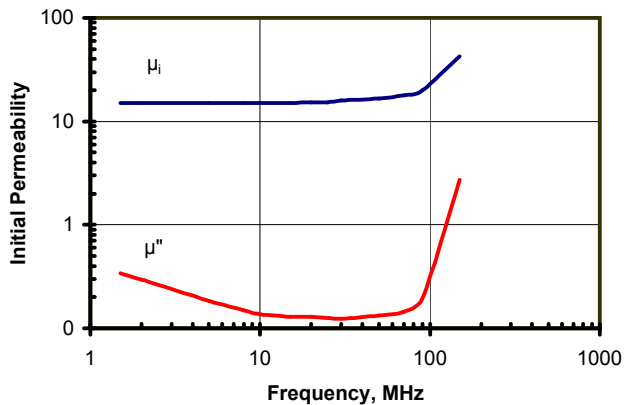
Permeability vs. Flux Density



Quality Factor vs. Frequency



Complex Permeability vs. Frequency



BH Loop Parameters vs. Temperature

