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: 600ºC
- dc Volume Resistivity: $10^{10}$ ohm-cm
- Bulk Density: 4.80 g/cc

Unless otherwise specified, all tests were performed at 10 KHz, 22ºC
Bs, Br, Hc tested at 1 KHz, 40 Oersted

![Permeability vs. Flux Density](image)

![Quality Factor vs. Frequency](image)

![Complex Permeability vs. Frequency](image)

![BH Loop Parameters vs. Temperature](image)