



XCK

High Frequency Ni-Zn Ferrite

This material is suitable for fixed frequency operation at 13.5 MHz with a high Q and permeability of 125. Standard core geometries are toroids and baluns for inductive and transmission line coupled transformers with bandwidth in the 5 to 50 MHz range.

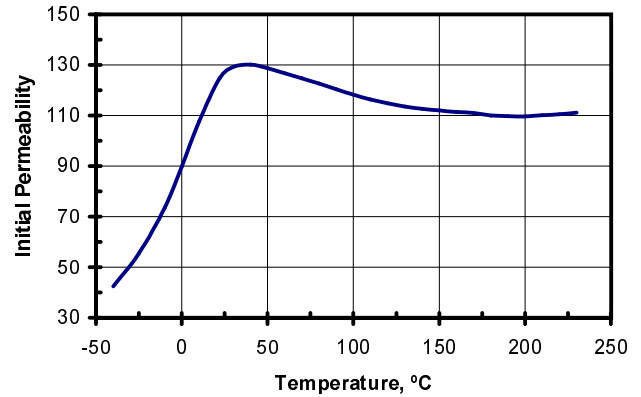
Typical Properties

Initial Permeability	125
Maximum Permeability	350
Saturation Flux Density	2500 Gauss
Remanent Flux Density	650 Gauss
Coercive Force	0.95 Oersted
Curie Temperature	400°C
dc Volume Resistivity	10⁹ ohm-cm
Bulk Density	4.25 g/cc

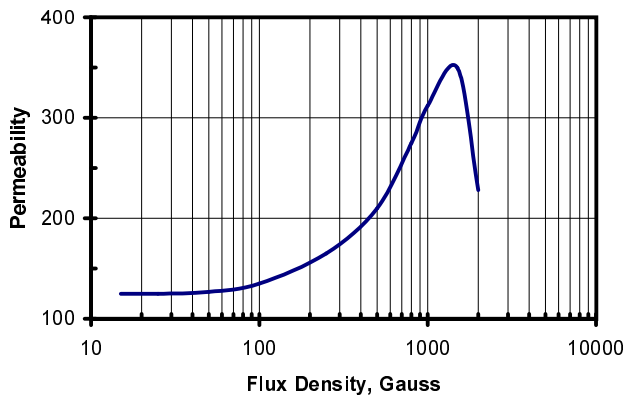
Unless otherwise specified, all tests were performed at 10 KHz, 22°C

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

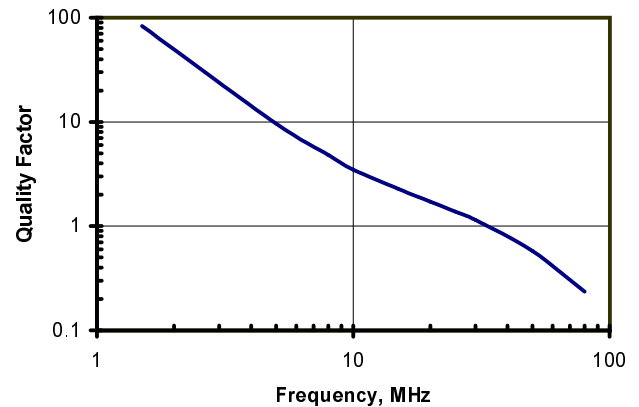
Initial Permeability vs. Temperature



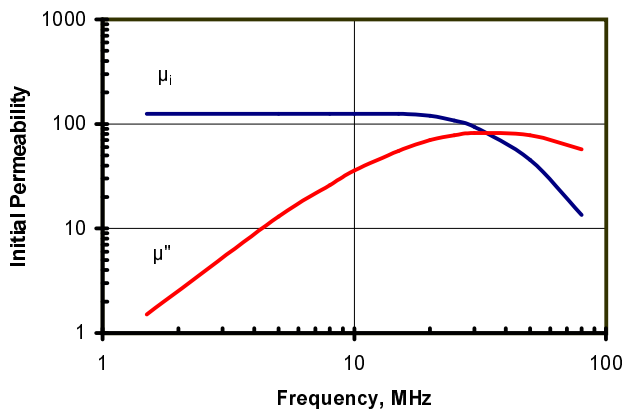
Permeability vs. Flux Density



Quality Factor vs. Frequency



Initial Permeability vs. Frequency



BH Loop Parameters vs. Temperature

