



CM5

High Frequency Ni-Zn Ferrite

This material is a high Q, Ni-Zn ferrite developed for CATV broadband transmission line transformers operating from 40 to > 700 MHz. It is currently only available in pressed to shape cores.

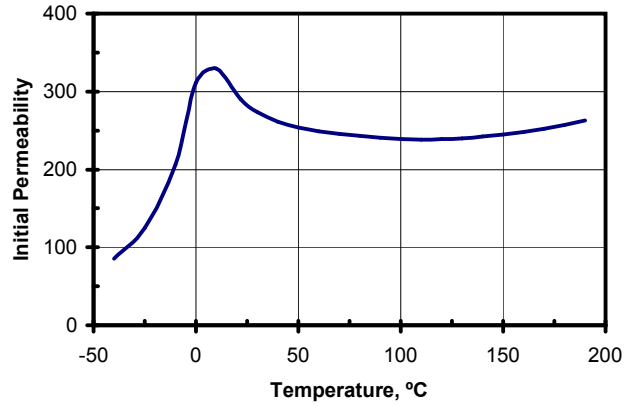
Typical Properties

Initial Permeability	290
Maximum Permeability	1200
Saturation Flux Density	3100 Gauss
Remanent Flux Density	1700 Gauss
Coercive Force	0.65 Oersted
Curie Temperature	280°C
dc Volume Resistivity	10⁸ ohm-cm
Bulk Density	4.40 g/cc

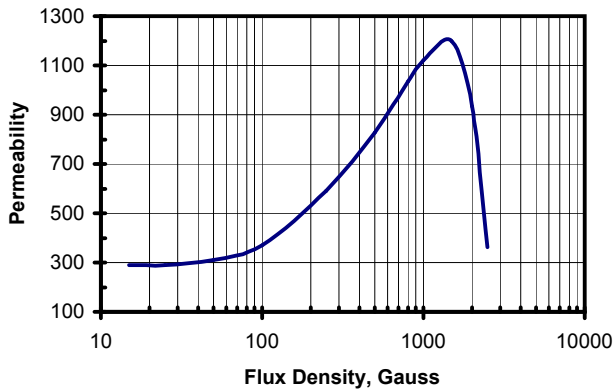
Unless otherwise specified, all tests were performed at 10 KHz, 22°C

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

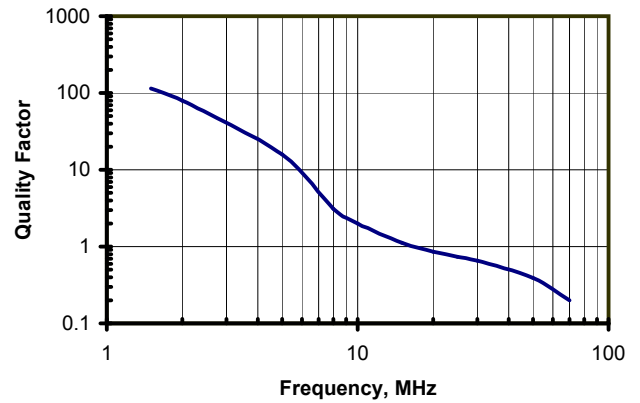
Initial Permeability vs. Temperature



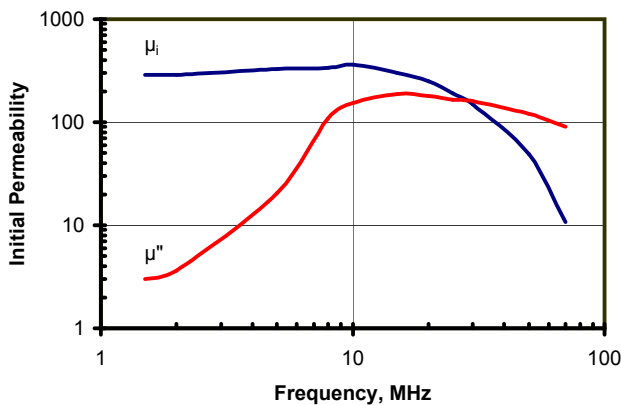
Permeability vs. Flux Density



Quality Factor vs. Frequency



Complex Permeability vs. Frequency



BH Loop Parameters vs. Temperature

