



CM48

CM48 is a NiZn material developed for high energy physics applications to absorb electromagnetic fields to 1 GHz at levels of 15 Watts/cc.

The material is available in both pressed to shape and machined cores.

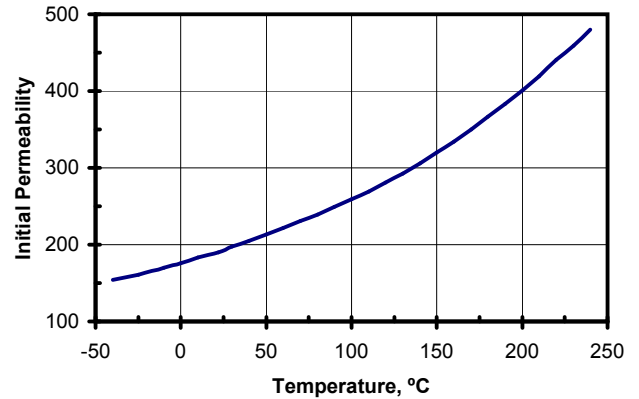
Typical Properties

Initial Permeability	190
Maximum Permeability	1300
Saturation Flux Density	4400 Gauss
Remanent Flux Density	3000 Gauss
Coercive Force	1.0 Oersted
Curie Temperature	410°C
dc Volume Resistivity	10^{10} ohm-cm
Bulk Density	5.2 g/cc

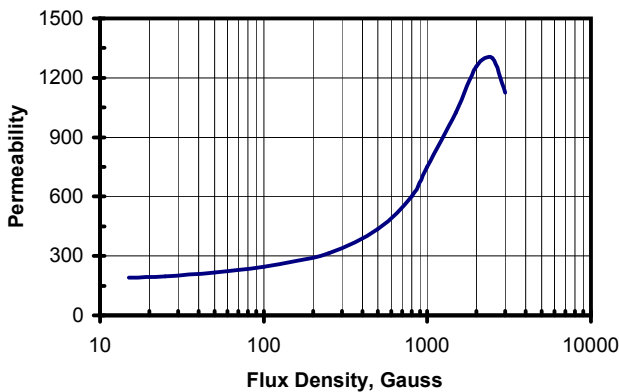
Unless otherwise specified, all tests were performed at 10 KHz, 22°C

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

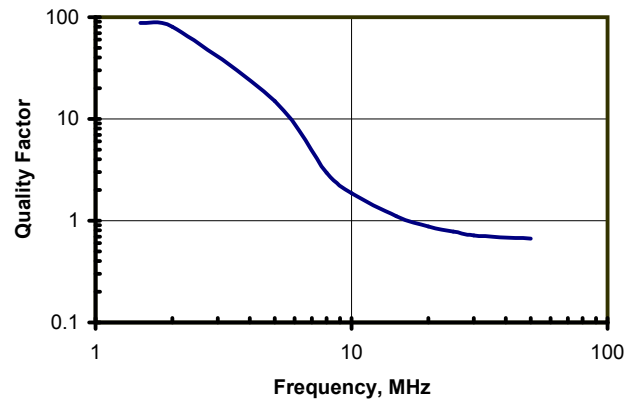
Initial Permeability vs. Temperature



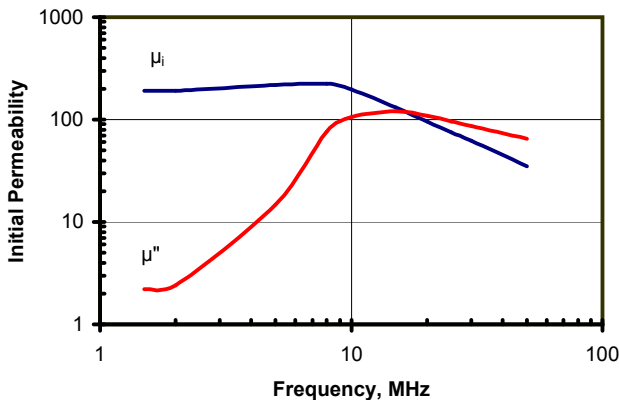
Permeability vs. Flux Density



Quality Factor vs. Frequency



Complex Permeability vs. Frequency



BH Loop Parameters vs. Temperature

