Ceramic Magnetics, Inc.
A National Magnetics Group Company

CM400

CM400 is a Ni-Zn material developed for pulse applications where fast rise times are required. This material is characterized by a low Q which dampens oscillations and is suitable for high temperature operation. This material is available in both pressed to shape and machined cores.

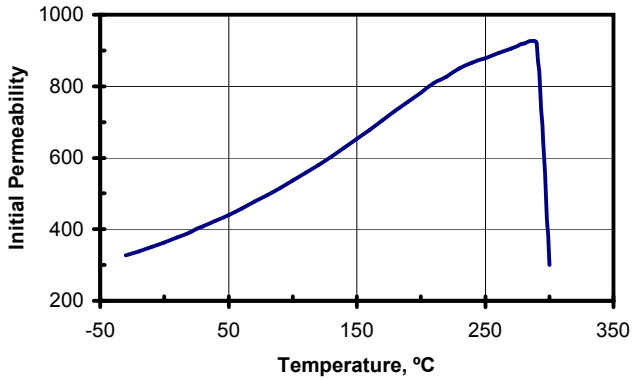
Typical Properties

Initial Permeability	**400**
Maximum Permeability	**1600**
Saturation Flux Density	**4600 Gauss**
Remanent Flux Density	**2400 Gauss**
Coercive Force	**0.65 Oersted**
Curie Temperature	**300ºC**
dc Volume Resistivity	**10^{10} ohm-cm**

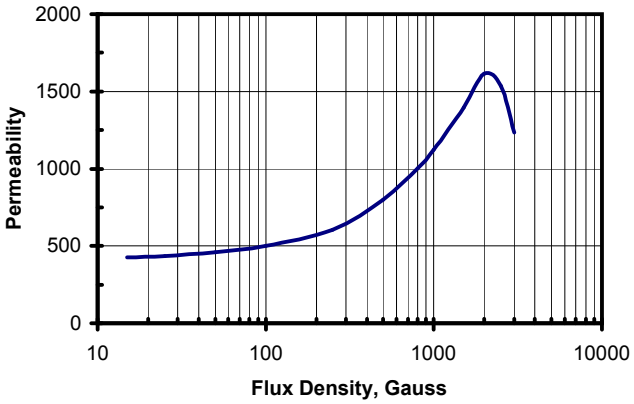
Unless otherwise specified, all tests were performed at 10 KHz, 22ºC

Bs tested at 1 KHz, 50 Oersted • Br, Hc at 1 KHz, 5 Oersted

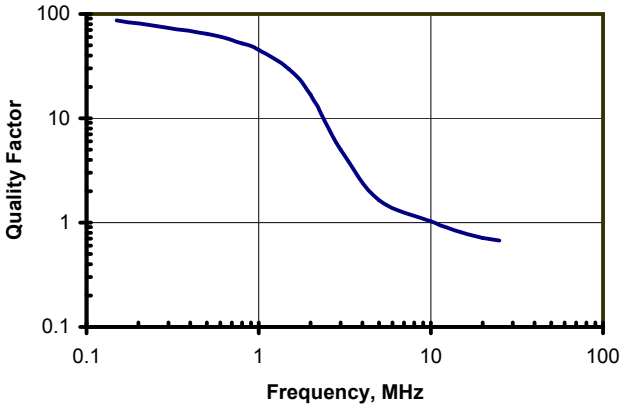
Initial Permeability vs. Temperature



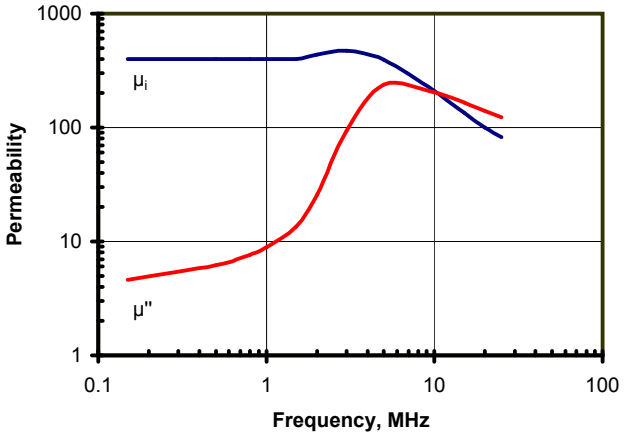
Permeability vs. Flux Density



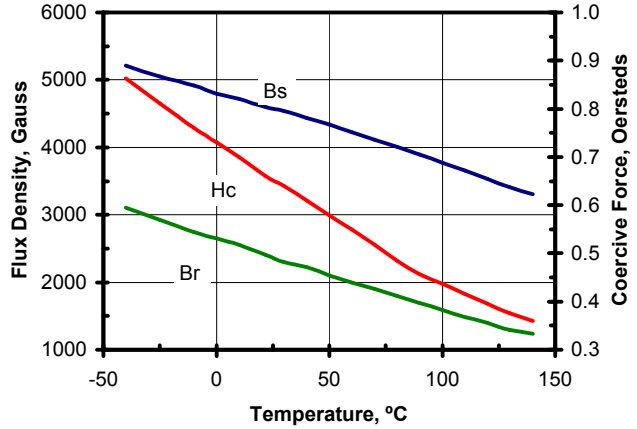
Quality Factor vs. Frequency



Complex Permeability & ui vs. Frequency



BH Loop Parameters vs. Temperature



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