



BT100

This material is a pressed and fired composition developed to work across 0°C to 70°C temperature range under 0.3 Oe dc bias for the telecom industry.

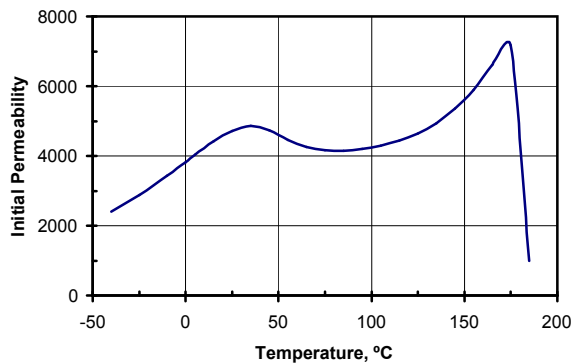
Typical Properties

| | |
|--------------------------------|---------------------|
| Initial Permeability | 4700 |
| Maximum Permeability | 6400 |
| Saturation Flux Density | 4500 Gauss |
| Remanent Flux Density | 1000 Gauss |
| Coercive Force | 0.12 Oersted |
| Curie Temperature | 175°C |
| dc Volume Resistivity | 200 ohm-cm |
| Bulk Density | g/cc |

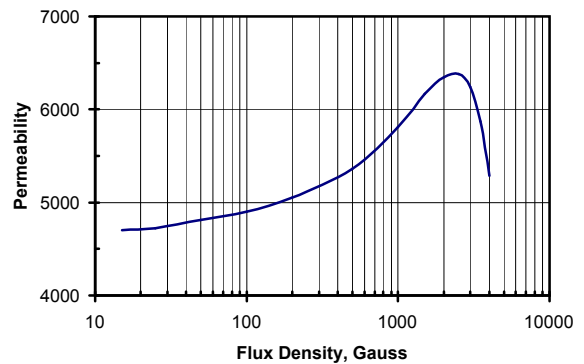
Unless otherwise specified, all tests were performed at 10 KHz, 22°C

Bs tested at 10 KHz, 20 Oersted • Br, Hc at 10 KHz, 5 Oersted

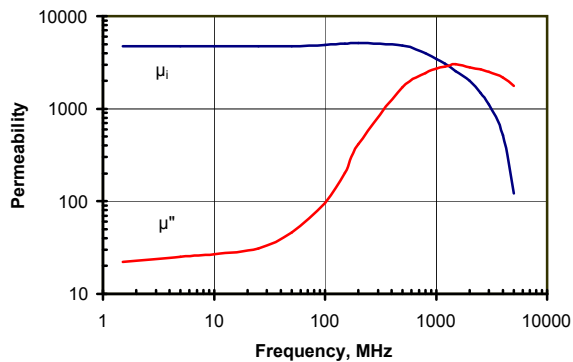
Initial Permeability vs. Temperature



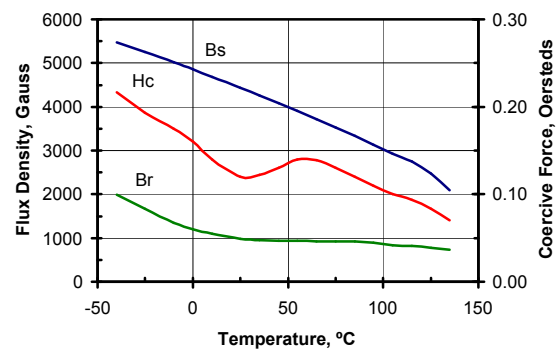
Permeability vs. Flux Density



Complex Permeability vs. Frequency



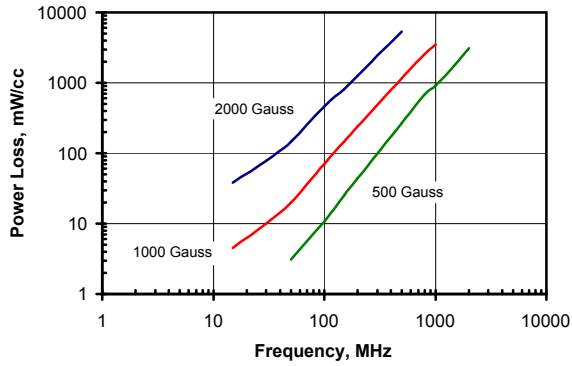
BH Loop Parameters vs. Temperature





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Power Loss vs. Frequency



Permeability vs. DC Bias

