



## CN20B

*CN20B is a NiZn material with an initial permeability of 1375 and a narrow BH loop. These characteristics make it a suitable material for inductively coupled, 1.5 to 30 MHz, and broadband transformers, 1.5 to 500 MHz. The impedance properties make it suitable for common mode chokes and suppression applications. The material is available in both pressed to shape and machined cores.*

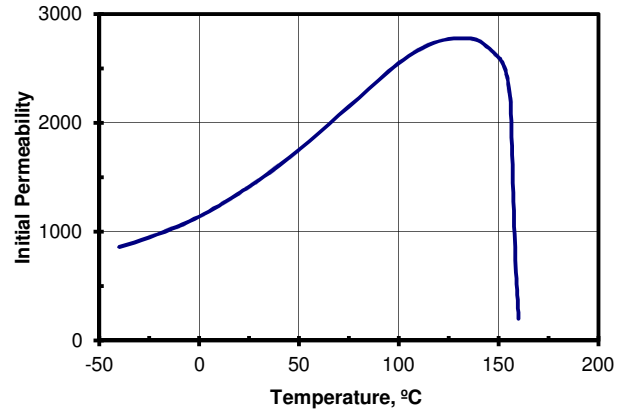
### Typical Properties

<b>Initial Permeability</b>	<b>1375</b>
<b>Maximum Permeability</b>	<b>4100</b>
<b>Saturation Flux Density</b>	<b>3500 Gauss</b>
<b>Remanent Flux Density</b>	<b>2100 Gauss</b>
<b>Coercive Force</b>	<b>0.20 Oersted</b>
<b>Curie Temperature</b>	<b>160°C</b>
<b>dc Volume Resistivity</b>	<b>10<sup>8</sup> ohm-cm</b>
<b>Bulk Density</b>	<b>5.0 g/cc</b>

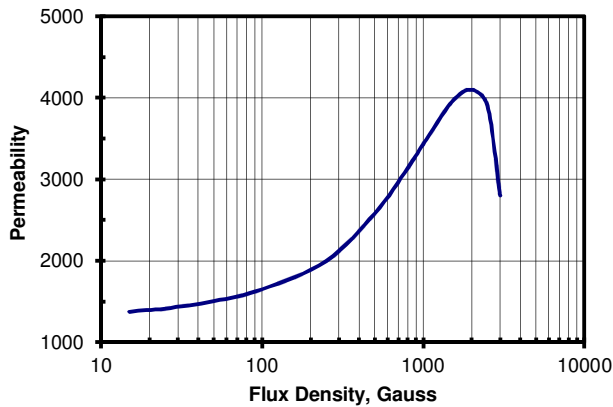
Unless otherwise specified, all tests were performed at 10 KHz, 22°C

*B<sub>s</sub> tested at 1 KHz, 20 Oersted • B<sub>r</sub>, H<sub>c</sub> at 1 KHz, 5 Oersted*

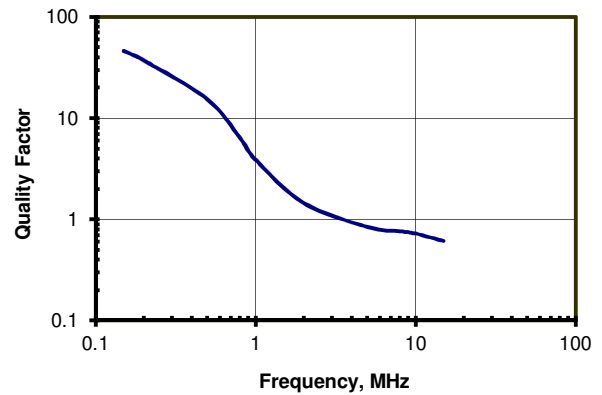
### Initial Permeability vs. Temperature



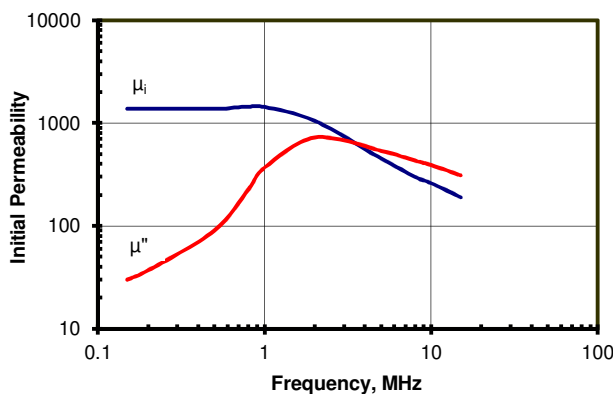
### Permeability vs. Flux Density



### Quality Factor vs. Frequency



### Complex Permeability & $\mu_i$ vs. Frequency



### BH Loop Parameters vs. Temperature

