

DATA SHEET

NB50

Materials specification

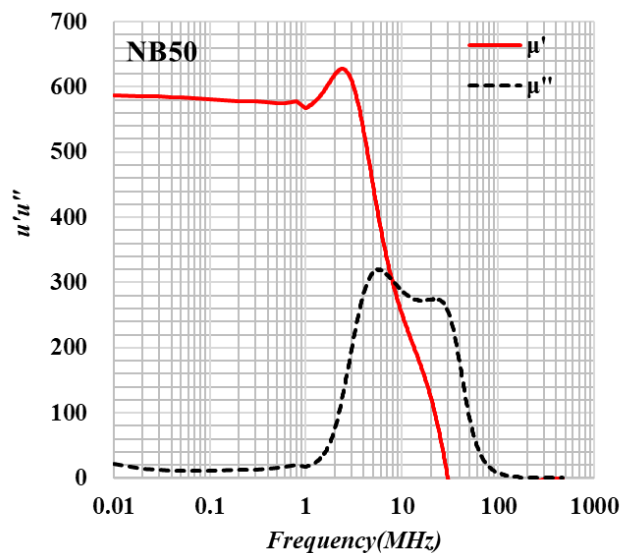
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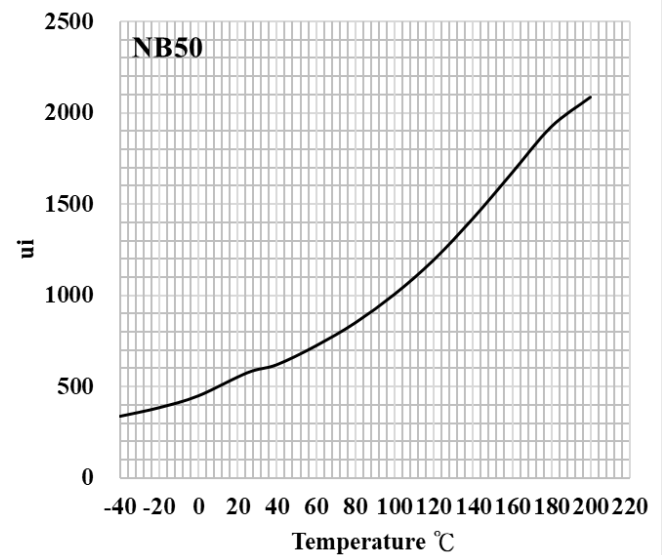
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NB50 SPECIFICATIONS

Initial permeability	μ_i	-	f=10kHz	0.25mT	25°C	500 $\pm$ 25%
Remanent flux density	Br	mT		4000A/m	25°C	275
Coercive Force	Hc	A/m				85
Saturation magnetic flux density	Bs	mT				400
Temperature factor of initial permeability		$\times 10^{-6}/^{\circ}\text{C}$	f=10kHz	0.25mT	25 to 60°C	10 to 20
Relative loss factor	$\tan\delta/\mu_i$	$\times 10^{-6}$	f=0.1MHz f=1MHz	0.25mT	25°C	<40 <60
Curie temperature	Tc	°C	f=10kHz	0.25mT		>200
Resistivity	ρ	Ωm			25°C	>10 ⁵
Density	kg/m ³					>5.1x10 ³



Complex permeability as a function of frequency.



Initial permeability as a function of temperature.