

DATA SHEET

NB25A

Materials specification

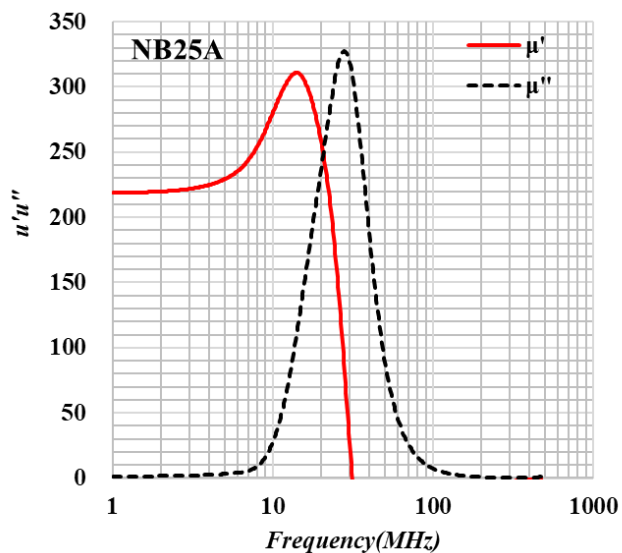
2024/09/01



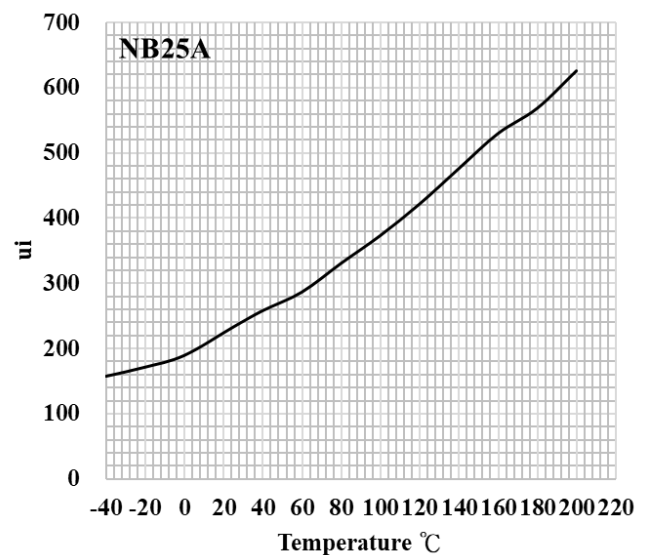
高科磁技股份有限公司
中鋼集團

NB25A SPECIFICATIONS

Initial permeability	μ_i	-	f=10kHz	0.25mT	25°C	250 $\pm$ 25%
Remanent flux density	Br	mT		4000A/m	25°C	180
Coercive Force	Hc	A/m				35
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	15 to 30
Relative loss factor	$\tan\delta/\mu_i$	$\times 10^{-6}$	f=1MHz f=3MHz	0.25mT	25°C	<30 <50
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.