

## Wide Temp. & Low loss

Material Characteristics		单位 Unit		NH9	NH9A	NH9C	NH9B	NH97	NH97A
Initial Permeability				3300±25%	3400±25%	3300±25%	3000±25%	3300±25%	3300±25%
Saturation Magnetic Flux Density (Bs)@H=1194A/m		25°C	mT	530	530	530	540	540	540
		100°C	mT	410	410	430	430	430	430
Remanence Flux Density( Br )		25°C	mT	85	85	70	90	70	85
		100°C	mT	60	60	50	60	50	60
Coercive force( Hc)		25°C	A/m	9.5	9.5	9.5	10	9.5	9.5
		100°C	A/m	6.5	6.5	6.5	8	6.5	6.5
Curie Temperature(Tc )		°C		≥220	≥220	≥220	≥220	≥220	≥220
Density		kg/m <sup>3</sup>		4.9x10 <sup>3</sup>					
Pcv Core Loss	100kHz 200mT	25°C	kW/m <sup>3</sup>	350	320	280	380	235	350
		80°C		300	280	280	320	250	280
		100°C		290	270	300	290	280	275
		120°C		350	350	350	320	320	300
		140°C		-	-	-	380	-	340

Test core: OD=25mm、ID=15mm、TH=8mm °

