

NH2C 材料特性
NH2C Material Characteristics

初始磁导率 μ_i initial permeability μ_i	2400±25%	
饱和磁通密度 B_s (mT) Saturation flux density 1194A/m	25℃	510
	100℃	390
剩磁 B_r (mT) Residual flux density	25℃	110
	100℃	60
矫顽力 H_c (A/m) Coercivity	25℃	13
	100℃	6.5
功率损耗 P_v mw/cm ³ Power Loss		100kHz, 200mT
	25℃	600
	100℃	300
	120℃	380
居里温度 T_c (℃) Curie temp.	>215℃	
电阻率 ρ ($\Omega \cdot m$) Resistivity	6.5	
密度 d (g/cm ³) Density	4.8	

以上数据是根据标准样环 $\Phi 25 \times \Phi 15 \times 8$ 获得典型数据，有关产品的具体性能会在此基础上有所调整。

The above typical data are calculated from the standard toroid core. The specific property of any parts will be adjusted a little based on these data

▶ NH2C材料特点

- 比NH2B材料磁芯损耗更低，饱和磁通密度较高。
- 应用频率可达300kHz。
- 损耗最低的温度点在95℃左右。

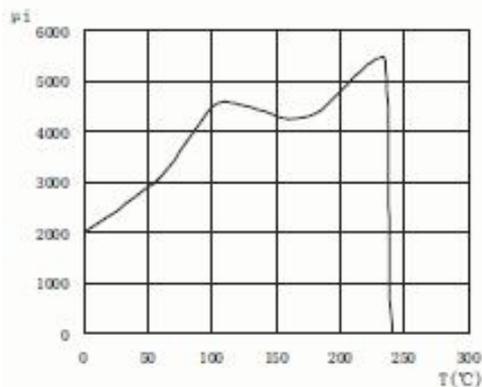


Fig1 Permeability vs. Temperature

▶ NH2C MATERIAL CHARACTERISTICS

- The power loss is lower than NH2B material with high saturation flux density
- optimized for frequencies up to 300kHz
- The minimum power loss around 95°C

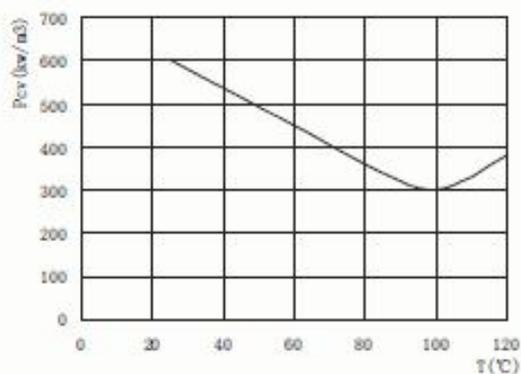


Fig.2 Power Loss(100kHz,200mT) vs. Temperature

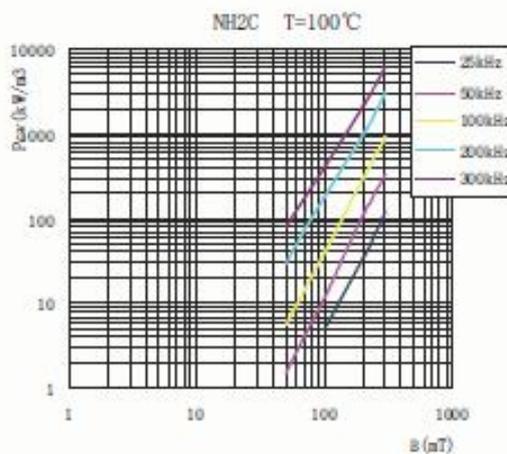


Fig.3 Power Loss vs. Flux Density

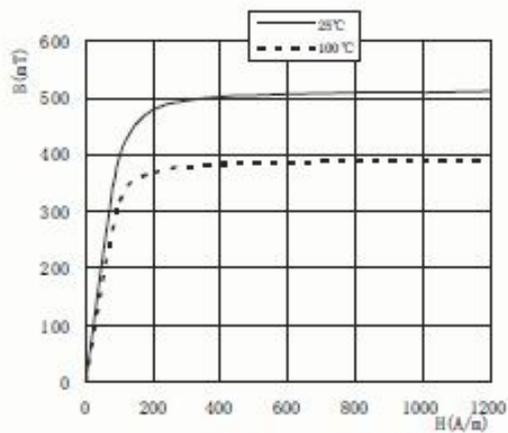


Fig.4 Magnetization Curves