

NH2B 材料特性  
NH2B Material Characteristics

初始磁导率 $\mu_i$ initial permeability $\mu_i$	2300±25%		
饱和磁通密度 $B_s$ (mT) Saturation flux density 1194A/m	25°C	510	
	100°C	390	
剩磁 $B_r$ (mT) Residual flux density	25°C	95	
	100°C	60	
矫顽力 $H_c$ (A/m) Coercivity	25°C	14.3	
	100°C	9	
功率损耗 $P_v$ mw/cm <sup>3</sup> Power Loss		25kHz, 200mT	100kHz, 200mT
	25°C	110	600
	60°C	75	500
	100°C	70	410
居里温度 $T_c$ (°C) Curie temp.	≥215°C		
电阻率 $\rho$ ( $\Omega \cdot m$ ) Resistivity	6.5		
密度 $d$ (g/cm <sup>3</sup> ) Density	4.8		

以上数据是根据标准样环Φ25×Φ15×8 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.

### ▶ NH2B材料特点

- 低磁芯损耗，饱和磁通密度较高。
- 应用频率可达200kHz。
- 损耗最低的温度点在95°C左右。

### ▶ NH2B MATERIAL CHARACTERISTICS

- lower power loss material with high saturation flux density
- Optimized for frequencies up to 200kHz
- The minimum power loss around 95°C

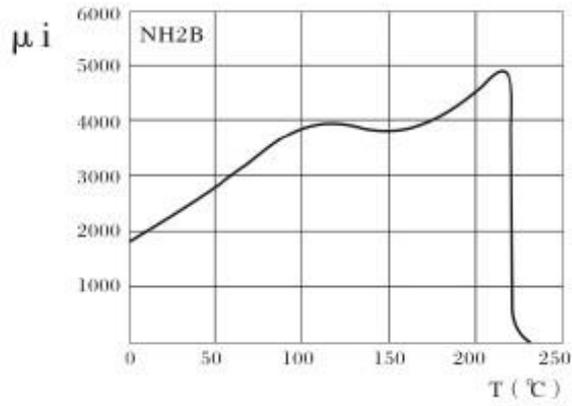


Fig.1 Permeability vs. Temperature 磁导率之温度特性

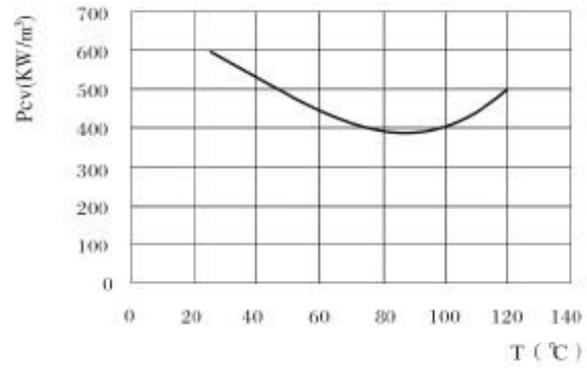


Fig.2 Power Loss vs. Temperature 功耗之温度曲线

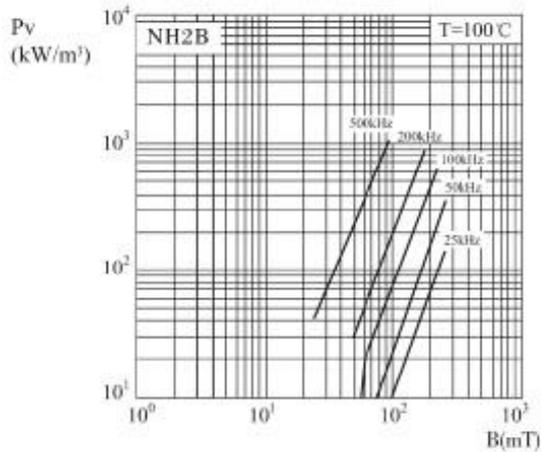


Fig.3 Power Loss vs. Flux Density 功耗随磁通密度之变化

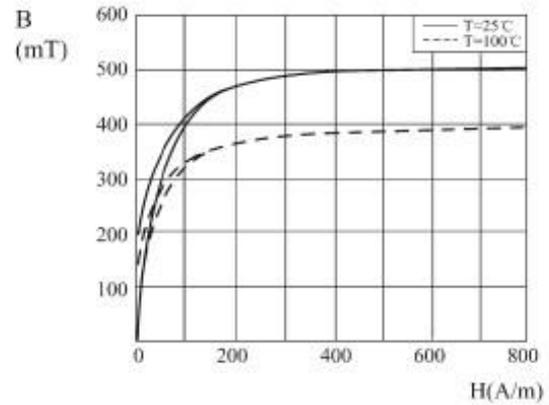


Fig.4 Magnetization Curves 静态磁滞回线