

## NH9A 材料特性

### NH9A Material Characteristics

初始磁导率 $\mu_i$ initial permeability $\mu_i$	3400±25%		
饱和磁通密度 $B_s$ (mT) Saturation flux density 1194A/m	25°C	530	
	100°C	410	
剩磁 $B_r$ (mT) Residual flux density	25°C	85	
	100°C	60	
矫顽力 $H_c$ (A/m) Coercivity	25°C	9.5	
	100°C	6.5	
功率损耗 $P_v$ mw/cm <sup>3</sup> Power Loss		25kHz, 200mT	100kHz, 200mT
	25°C	-	320
	100°C	-	270
	120°C	-	350
居里温度 $T_c$ (°C) Curie temp.	>220°C		
电阻率 $\rho$ ( $\Omega \cdot m$ ) Resistivity	6		
密度 $d$ (g/cm <sup>3</sup> ) Density	4.9		

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.

## NH9A 材料曲线

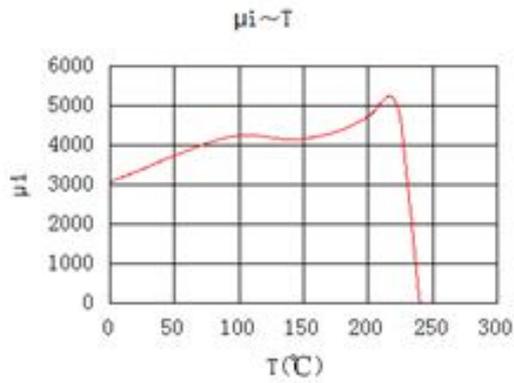


Fig1 Permeability vs. Temperature  
磁导率之温度特性

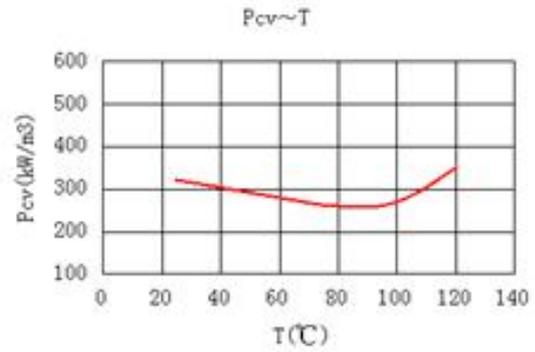


Fig.2 Power Loss (100kHz,200mT) vs. Temperature  
功耗之温度曲线

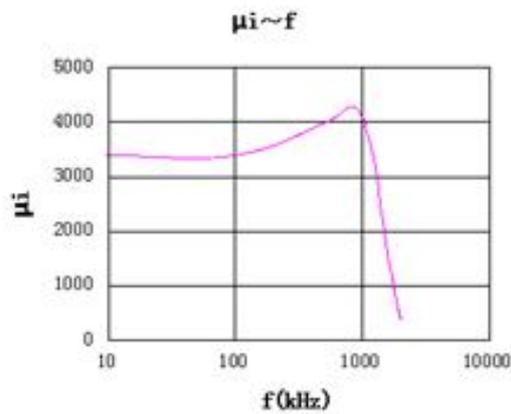


Fig3 Permeability vs. Frequency  
磁导率之频率特性

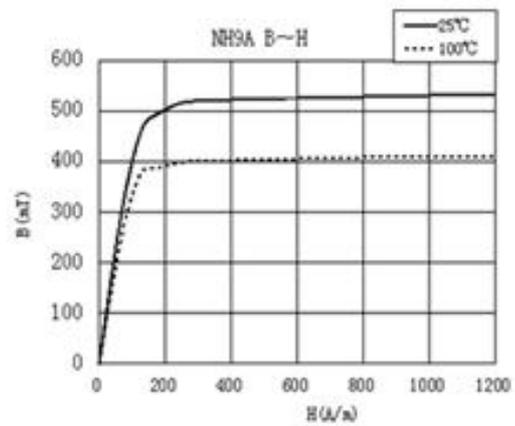


Fig.5 Magnetization Curves  
静态磁滞回线