

## NH45C 材料特性

### NH45C Material Characteristics

初始磁导率 $\mu_i$ initial permeability $\mu_i$	2200±25%	
饱和磁通密度 $B_s$ (mT) Saturation flux density 1194A/m	25°C	540
	100°C	450
剩磁 $B_r$ (mT) Residual flux density	25°C	170
	100°C	60
矫顽力 $H_c$ (A/m) Coercivity	25°C	13
	100°C	6.5
功率损耗 $P_v$ mw/cm <sup>3</sup> Power Loss	100kHz, 200mT	
	25°C	650
	100°C	275
	120°C	360
居里温度 $T_c$ (°C) Curie temp.	≥240°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 $\Phi 25 \times \Phi 15 \times 6$  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.

# NH45C 材质曲线图

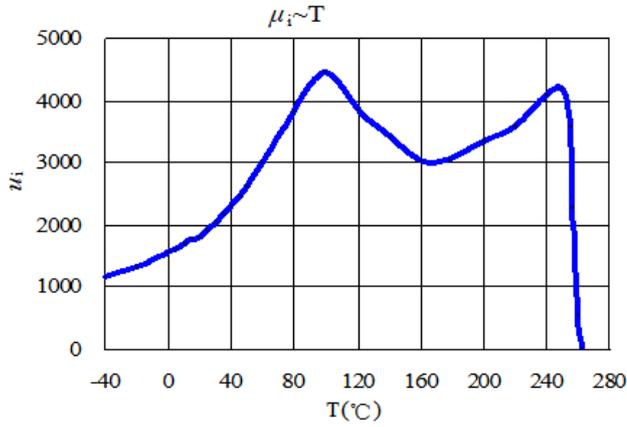


Fig1 Permeability vs. Temperature

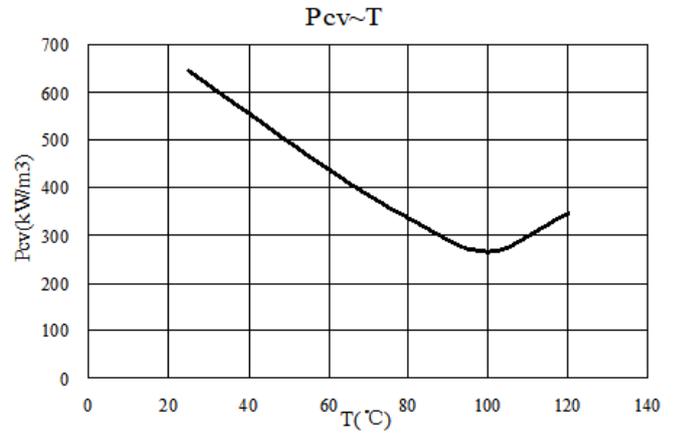


Fig.2 Power Loss (100kHz, 200mT) vs. Temperature

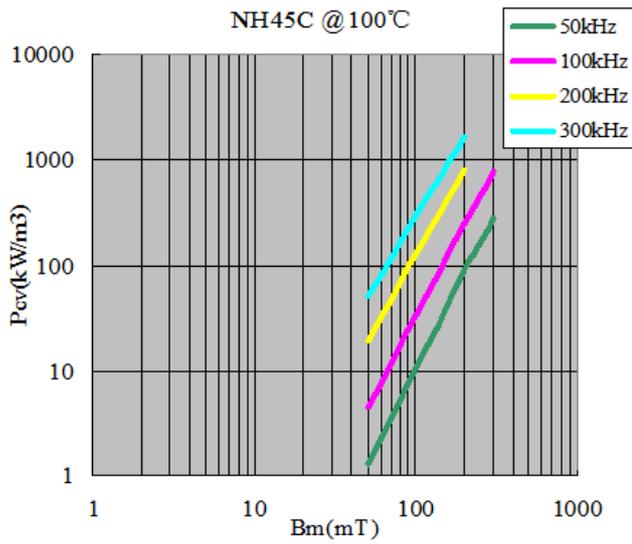


Fig.3 Power Loss vs. Flux Density

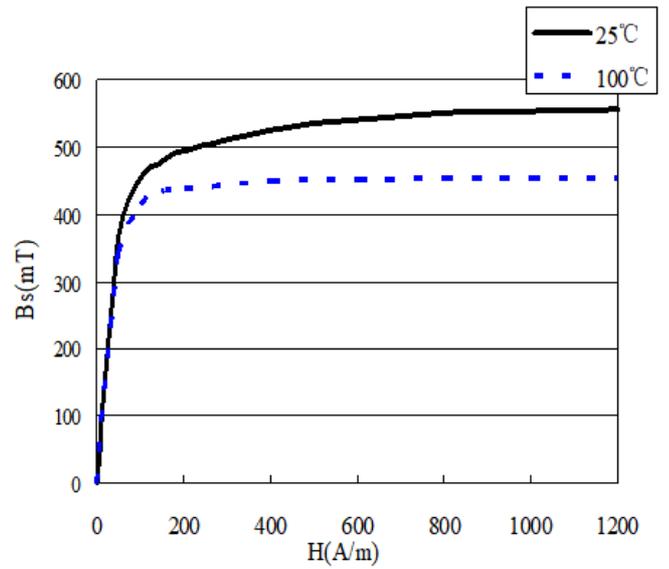


Fig.4 Magnetization Curves