NH45B　材料特性
NH45B　Material Characteristics

初始磁导率 μi initial permeability μi	2200±25%	
饱和磁通密度 Bs（mT） Saturation flux density 1194A/m	25℃	540
	100℃	450
剩磁 Br（mT） Residial flux density	25℃	170
	100℃	60
	120℃	65
矫顽力 Hc（A/m） Coercivity	25℃	13
	100℃	6.5
功率损耗 Pv mw/cm^3 Power　Loss		100kHz, 200mT
	25℃	680
	100℃	320
	120℃	460
居里温度 Tc（℃） Curie temp.	≥240℃	
电阻率ρ（Ω・m） Resistivity	6	
密度　d(g/cm^3) Density	4.9	

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 tarord core. The specific property of any parts will be adjusted a little based on these data.

NH45B 材料曲线

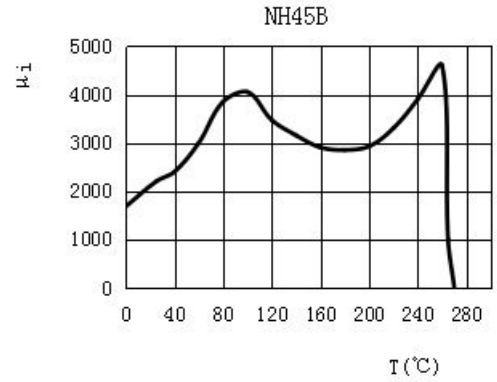

Fig1 Permeability vs. Temperature

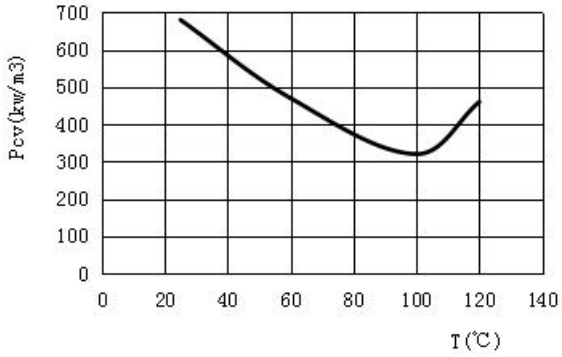

Fig.2 Power Loss(100kHz,200mT) vs. Temperature

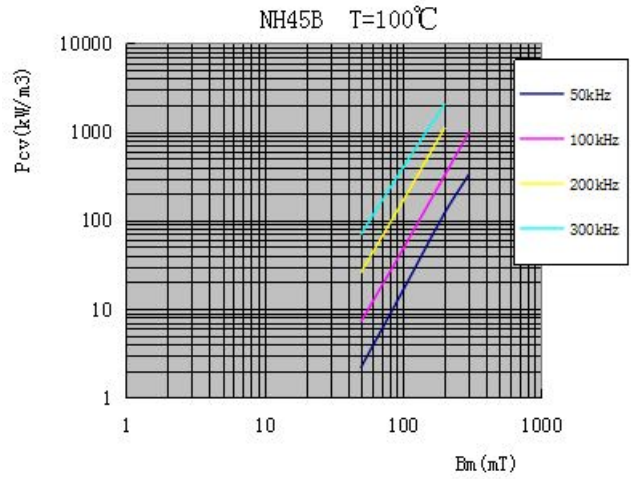

Fig.3 Power Loss vs. Fiux Density

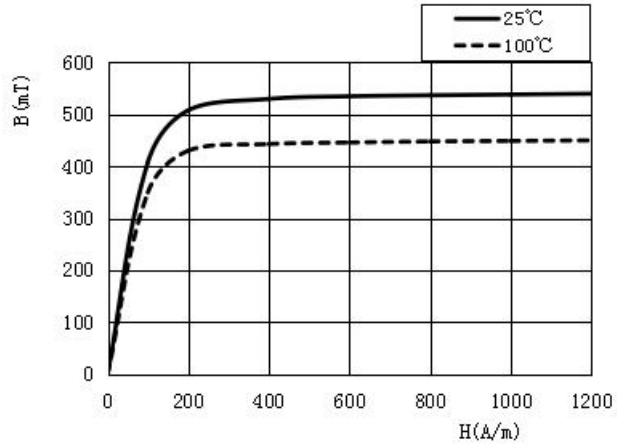

Fig.4 Magnetization Curves