

**NH51X 材料特性表**  
**NH51X Material Characteristics**

材料特性 Material Characteristics		单位 Unit		NH51X
起始磁导率 $\mu_i$ Initial Permeability				1300±20%
饱和磁通密度 $B_s$ Saturation Magnetic Flux Density @H=1194A/m		25℃	mT	500
		100℃	mT	410
剩余磁通密度 $B_r$ Remanence Flux Density		25℃	mT	60
		100℃	mT	50
矫顽力 $H_c$ Effective Coercivity		25℃	A/m	20
		100℃	A/m	15
磁芯损耗 $P_{cv}$ Core Loss	500kHz 100mT	25℃	kW/m <sup>3</sup>	600
		60℃		450
		80℃		480
		100℃		600
		120℃		830
居里温度 $T_c$ Curie Temperature		℃		≥260
密度 $d$ Density		kg/m <sup>3</sup>		4.7x10 <sup>3</sup>

注：以上数据是T25\*15\*8标准样环的典型数据，具体产品的性能会在此基础上有所调整。

损耗测试仪器为 SY8218 BH分析仪。

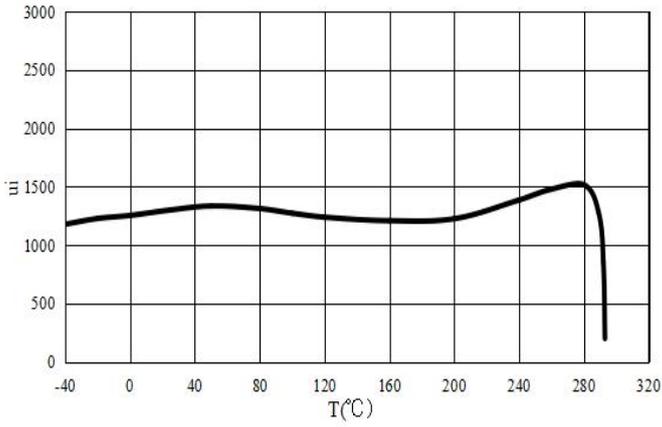


Fig1 Permeability vs. Temperature

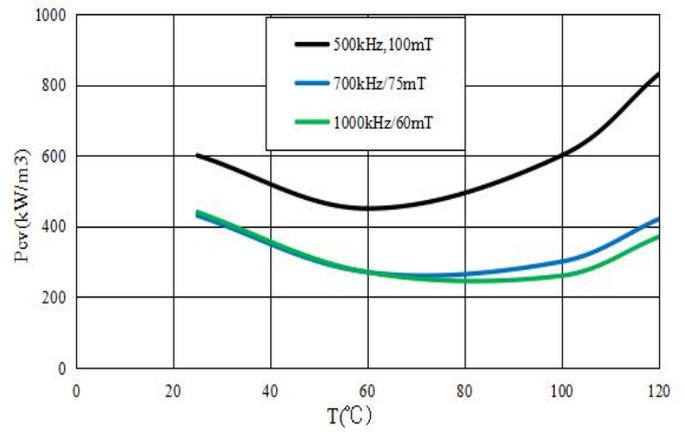


Fig.2 Power Loss vs. Temperature

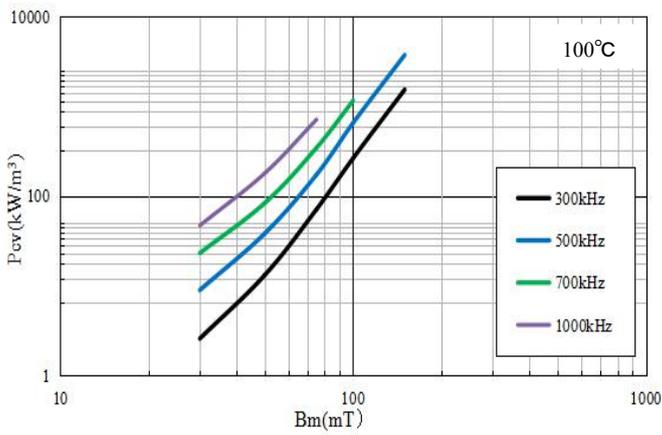


Fig.3 Power Loss vs. Flux Density

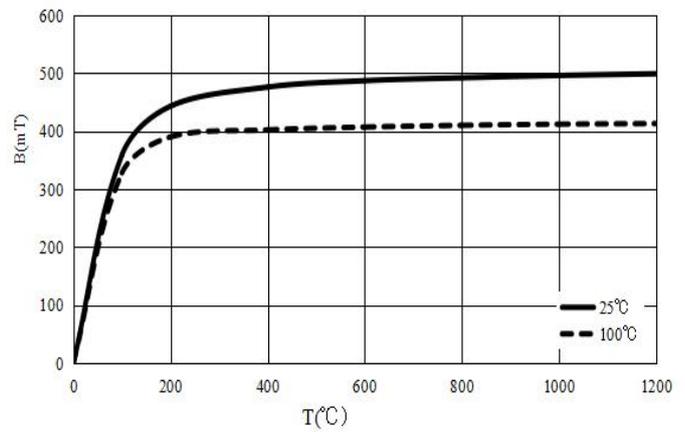


Fig.4 Magnetization Curves