

**NH9T 材料特性表**  
**NH9T Material Characteristics**

材料特性 Material Characteristics		单位 Unit		NH9T
起始磁导率 $\mu_i$ Initial Permeability				2800±25%
磁芯损耗 P <sub>cv</sub> Core Loss	100kHz 200mT	kW/m <sup>3</sup>	25℃	440
			100℃	340
			120℃	340
			140℃	380
	60kHz 300mT	kW/m <sup>3</sup>	25℃	600
			100℃	480
			120℃	490
			140℃	520
	80kHz 250mT	kW/m <sup>3</sup>	25℃	570
			100℃	450
			120℃	460
			140℃	500
饱和磁通密度 B <sub>s</sub> Saturation Matnetic Flux Density @H=1194A/m		mT	25℃	530
		mT	100℃	410
剩余磁通密度 B <sub>r</sub> Remanence Flux Density		25℃	mT	85
		100℃	mT	65
矫顽力 H <sub>c</sub> Effective Coercivity		25℃	A/m	9
		100℃	A/m	6
居里温度 T <sub>c</sub> Curie Temperature		℃		≥220
密度 d Density		kg/m <sup>3</sup>		4.85x10 <sup>3</sup>

注：以上为T25\*15\*8标环的典型值。

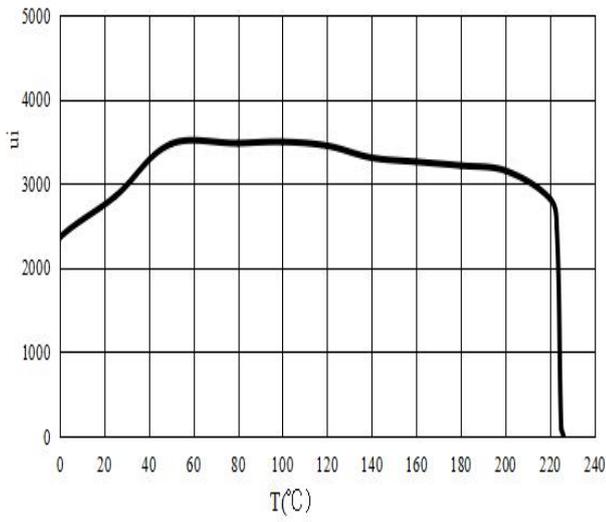


Fig1 Permeability vs. Temperature

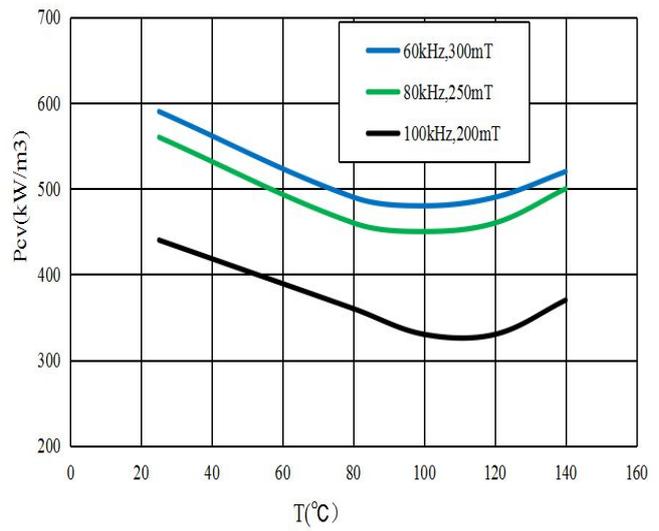


Fig.2 Power Loss vs. Temperature

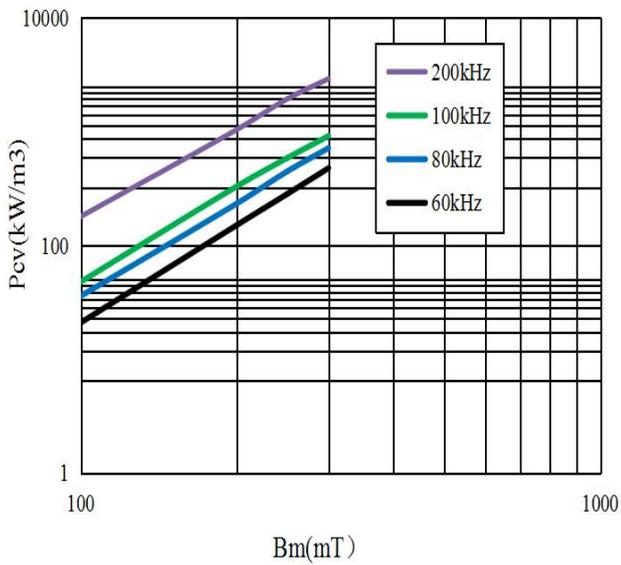


Fig.3 Power Loss vs. Flux Density

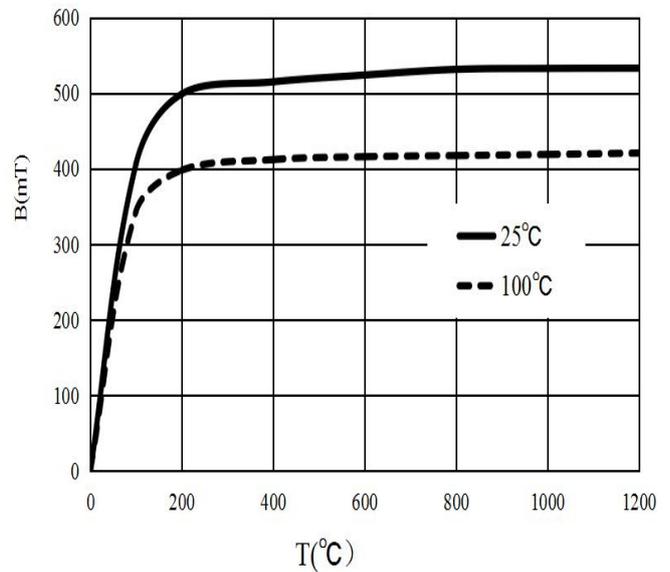


Fig.4 Magnetization Curves