

NH49 材料特性表
NH49 Material Characteristics

材料特性 Material Characteristics		单位 Unit		NH49
起始磁导率 μ_i Initial Permeability				1600±25%
磁芯损耗 P _{cv} Core Loss	25kHz 200mT	kW/m ³	25℃	150
			60℃	100
			100℃	150
			120℃	170
	100kHz 200mT	kW/m ³	25℃	820
			60℃	600
			100℃	900
			120℃	1020
饱和磁通密度 B _s Saturation Matnetic Flux Density @H=1194A/m		mT	25℃	590
		mT	100℃	490
剩余磁通密度 B _r Remanence Flux Density		mT	25℃	120
		mT	100℃	50
矫顽力 H _c Effective Coercivity		A/m	25℃	14
		A/m	100℃	11
居里温度 T _c Curie Temperature		℃		≥300
密度 d Density		kg/m ³		4.90x10 ³

注：以上为T25-15-8标环的典型值。

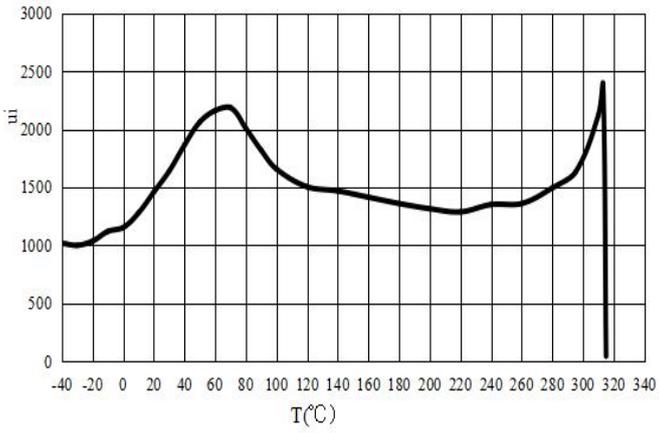


Fig.1 Permeability vs. Temperature

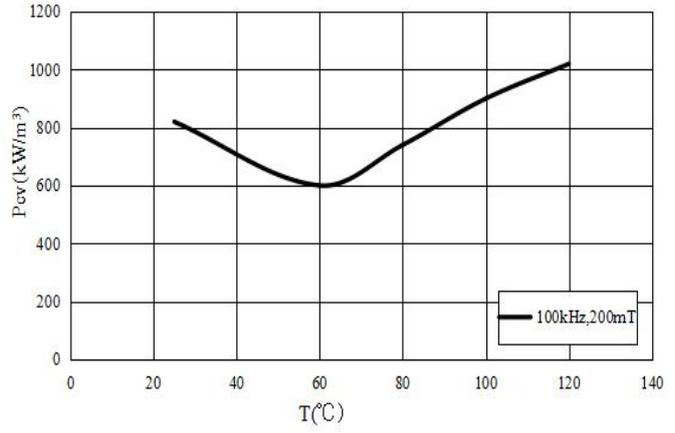


Fig.2 Power Loss vs. Temperature

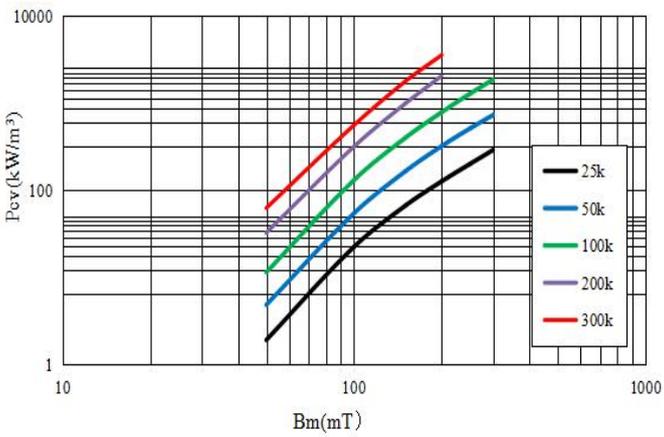


Fig.3 Power Loss vs. Flux Density

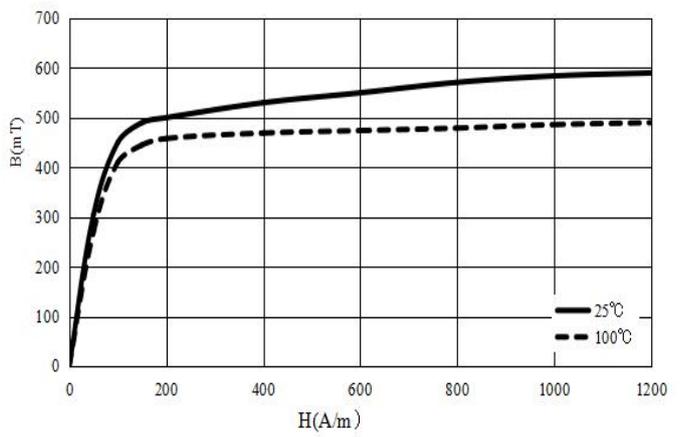


Fig.4 Magnetization Curves