

NH50F材料特性表
NH50F Material Characteristics

材料特性 Material Characteristics		单位 Unit		NH50F
起始磁导率 μ_i Initial Permeability				2500±25%
磁芯损耗 P _{cv} Core Loss	300kHz 100mT	kW/m ³	25℃	150
			100℃	175
			120℃	230
	400kHz 100mT	kW/m ³	25℃	260
			100℃	330
			120℃	410
	500kHz 100mT	kW/m ³	25℃	400
			100℃	520
			120℃	660
饱和磁通密度 B _s Saturation Magnetic Flux Density @H=1194A/m		mT	25℃	530
		mT	100℃	420
剩余磁通密度 B _r Remanence Flux Density		mT	25℃	90
		mT	100℃	80
矫顽力 H _c Effective Coercivity		A/m	25℃	12
		A/m	100℃	11
居里温度 T _c Curie Temperature		℃		≥240
密度 d Density		kg/m ³		4.85x10 ³

注：以上为T25-15-8标环的典型值。

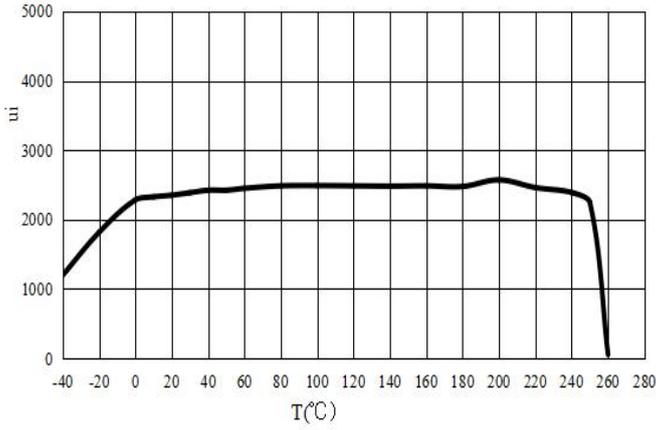


Fig.1 Permeability vs. Temperature

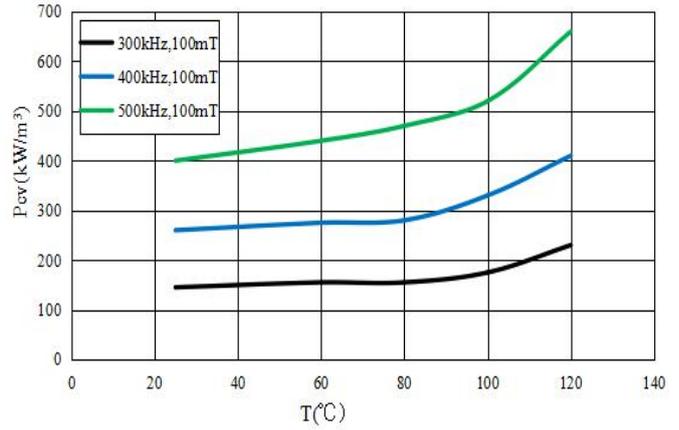


Fig.2 Power Loss vs. Temperature

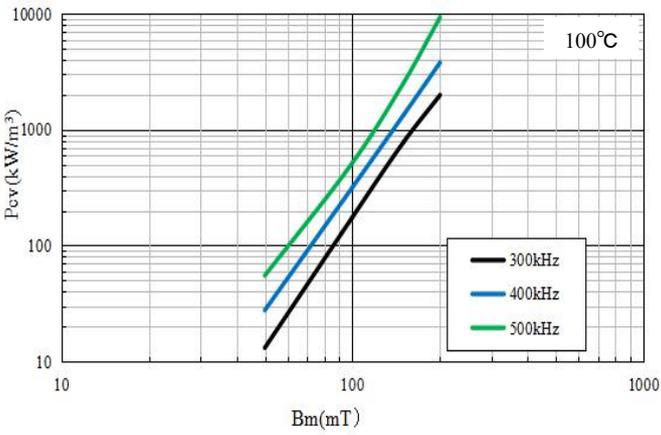


Fig.3 Power Loss vs. Flux Density

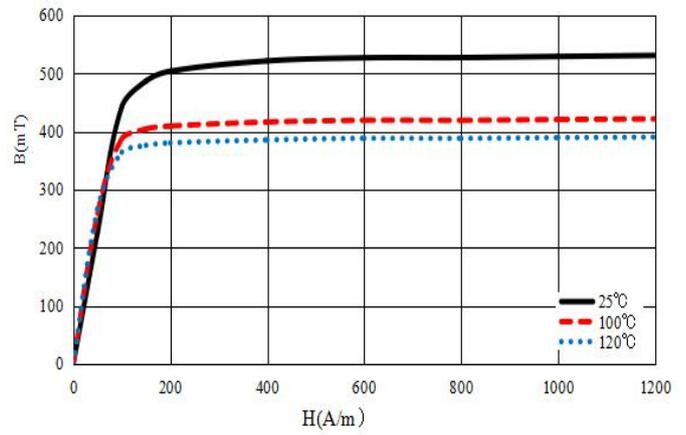


Fig.4 Magnetization Curves