

**KF9 材料特性表**  
**KF9 Material Characteristics**

材料特性 Material Characteristics		单位 Unit		KF9
起始磁导率 $\mu_i$ Initial Permeability				3400±25%
磁芯损耗 Pcv Core Loss	100kHz 200mT	kW/m <sup>3</sup>	25℃	290
			60℃	270
			80℃	270
			100℃	280
			120℃	320
	200kHz 125mT	kW/m <sup>3</sup>	25℃	250
			60℃	240
			80℃	240
			100℃	250
			120℃	270
	300kHz 100mT	kW/m <sup>3</sup>	25℃	270
			60℃	260
			80℃	260
			100℃	270
			120℃	300
饱和磁通密度 Bs Saturation Matnetic Flux Density @H=1194A/m		mT	25℃	530
		mT	100℃	420
剩余磁通密度 Br Remanence Flux Density		mT	25℃	90
		mT	100℃	70
矫顽力 Hc Effective Coercivity		A/m	25℃	10
		A/m	100℃	8
居里温度 Tc Curie Temperature		℃		≥215
密度 d Density		kg/m <sup>3</sup>		4.90x10 <sup>3</sup>

注：以上为T25-15-8标环的典型值。

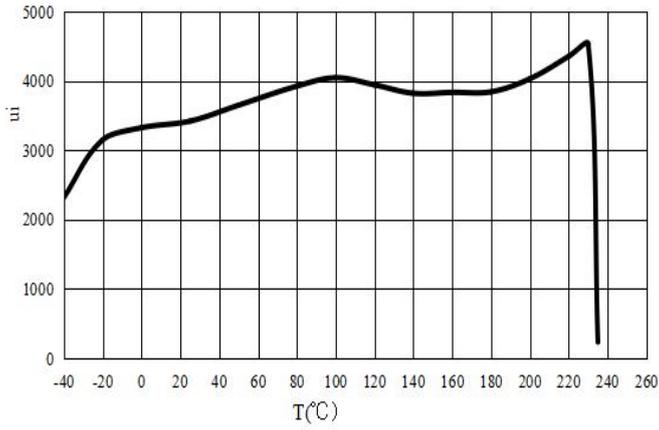


Fig.1 Permeability vs. Temperature

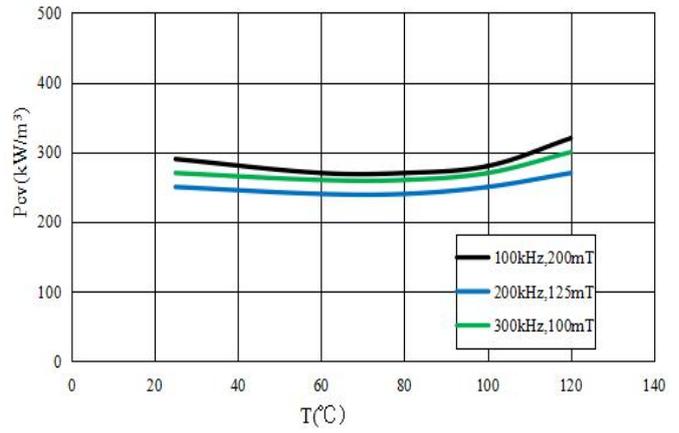


Fig.2 Power Loss vs. Temperature

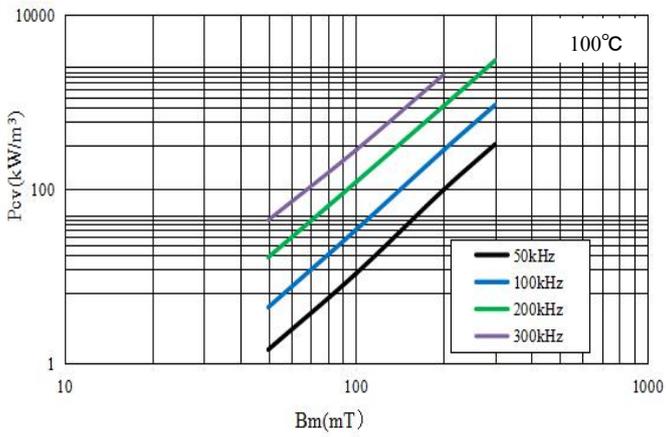


Fig.3 Power Loss vs. Flux Density

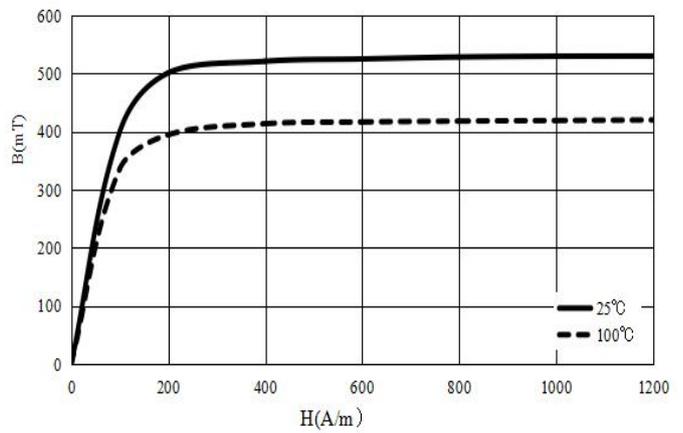


Fig.4 Magnetization Curves