

**KF9A 材料特性表**  
**KF9A Material Characteristics**

材料特性 Material Characteristics		单位 Unit		KF9A
起始磁导率 $\mu_i$ Initial Permeability				3000±25%
磁芯损耗 Pcv Core Loss	100kHz 200mT	kW/m <sup>3</sup>	25℃	245
			100℃	275
			120℃	300
			140℃	340
			160℃	430
	200kHz 125mT	kW/m <sup>3</sup>	25℃	175
			100℃	210
			120℃	235
			140℃	275
			160℃	360
	300kHz 100mT	kW/m <sup>3</sup>	25℃	190
			100℃	240
			120℃	270
			140℃	325
			160℃	460
饱和磁通密度 Bs Saturation Matnetic Flux Density @H=1194A/m		mT	25℃	540
		mT	100℃	430
剩余磁通密度 Br Remanence Flux Density		25℃	mT	90
		100℃	mT	70
矫顽力 Hc Effective Coercivity		25℃	A/m	10
		100℃	A/m	9
居里温度 Tc Curie Temperature		℃		≥230
密度 d Density		kg/m <sup>3</sup>		4.85x10 <sup>3</sup>

注：以上为T25标环的典型值。

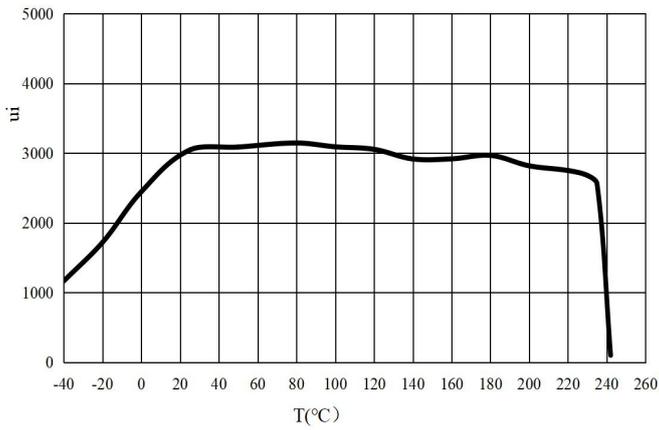


Fig1 Permeability vs. Temperature

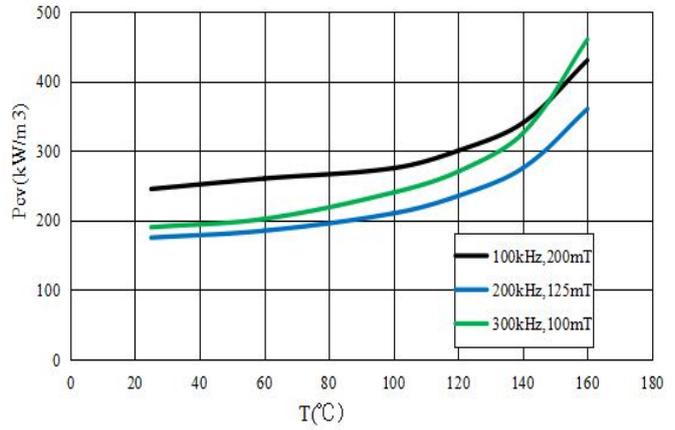


Fig.2 Power Loss vs. Temperature

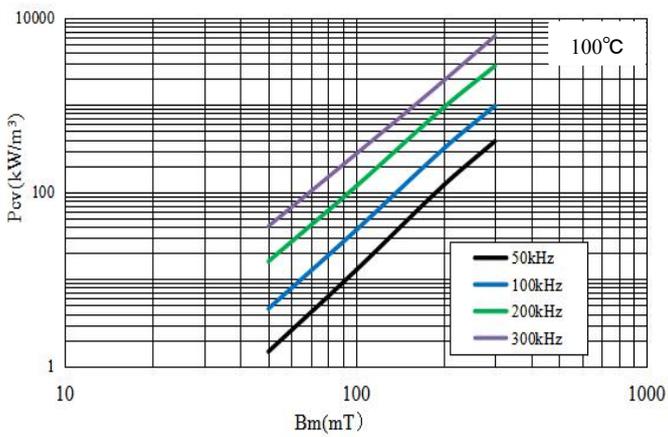


Fig.3 Power Loss vs. Flux Density

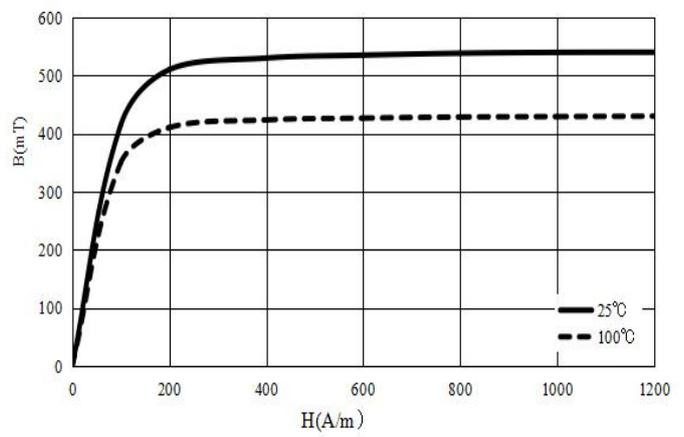


Fig.4 Magnetization Curves