

NH9B 材料特性表
NH9B Material Characteristics

特性 Characteristics		单位 Unit		NH9B
起始磁导率 μ_i Initial permeability				3000±25%
饱和磁通密度 B_s Saturation flux density $H=1194A/m$		mT	25°C	540
			100°C	430
剩余磁通密度 B_r Remanence Flux Density		mT	25°C	90
			100°C	60
矫顽力 H_c Effective Coercivity		A/m	25°C	10
		A/m	100°C	8
功率损耗 P_{cv} Power loss	$f=100kHz,$ $B=200mT$	kW/m ³	25°C	380
			60°C	320
			100°C	290
			120°C	320
			140°C	380
			160°C	430
居里温度 T_c Curie temperature		°C		>220
密度 d Density		kg/m ³		4.9×10^3

注：以上为T25-15-8标环的典型值。

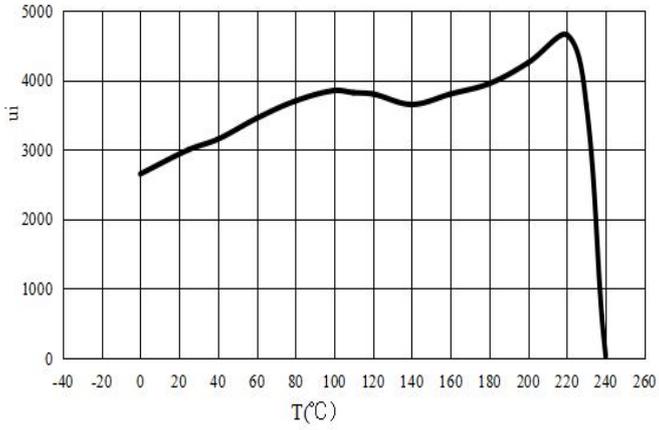


Fig.1 Permeability vs. Temperature

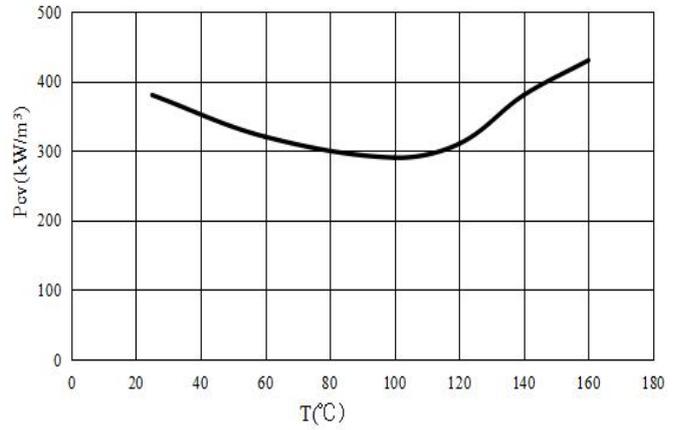


Fig.2 Power Loss vs. Temperature

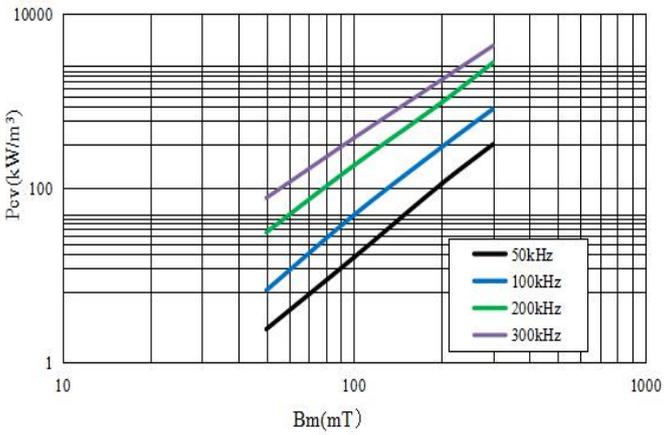


Fig.3 Power Loss vs. Flux Density

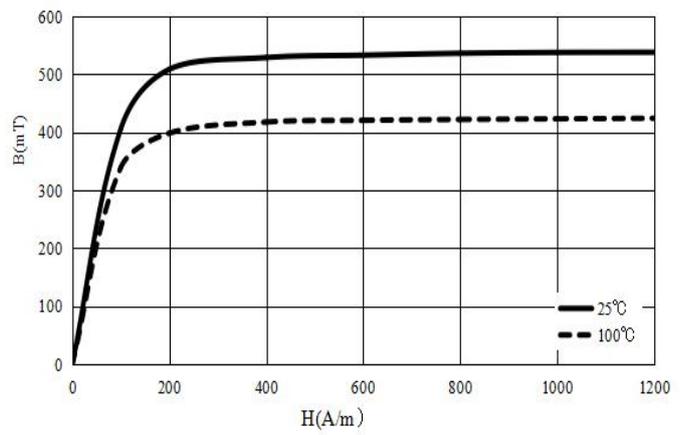


Fig.4 Magnetization Curves