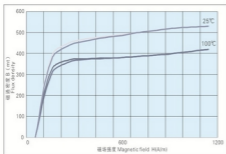
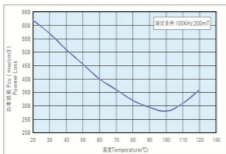
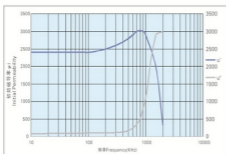
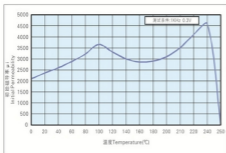


### JF44A 材料特性 JF44A Material Characteristics



#### 材料特点

主要应用于中频率 (小于300KHz)  
 mostly used at middle frequency (less than 300KHz)  
 低的磁芯损耗高的饱和磁感应强度  
 low core loss and high saturation flux density  
 磁芯损耗的最低温度点约在90~100℃  
 the temperature point of the lowest core loss is 90~100℃

特性 Characteristics	单位	JF44A
初始磁导率 $\mu_i$ Initial Permeability		2400 $\pm$ 25%
振幅磁导率 $\mu_a$ Amplitude Permeability		3500min
饱和磁通密度 $B_s$ Saturation magnetic density	25℃	530
	100℃	420 (1194A/m)
剩磁 $B_r$ Remanence	25℃	180
	100℃	60
矫顽力 Coercivity	25℃	13
	100℃	6
功率损耗 $P_{cv}$ (100Kz 200mT) Power Loss	25℃	KW/m <sup>3</sup> 600
	80℃	KW/m <sup>3</sup>
	100℃	KW/m <sup>3</sup> 280
	120℃	KW/m <sup>3</sup>
电阻率 $\rho$ Electrical resistivity	$\Omega \cdot m$	6.5
居里温度 $T_c$ Curie temperature	℃	> 230
密度 $d$ Density	kg/m <sup>3</sup>	$4.8 \times 10^3$

