

**LF7T材料特性表**  
**LF7T Material Characteristics**

材料特性 Material Characteristics	单位 Unit		LF7T
起始磁导率 $\mu_i$ Initial Permeability			7500±25%
饱和磁通密度 $B_s$ Saturation Magnetic Flux Density @H=1194A/m	mT	25°C	480
剩余磁通密度 $B_r$ Remanence Flux Density	mT	25°C	80
矫顽力 $H_c$ Coercivity	A/m	25°C	5
比损耗 $\tan\delta/\mu_i$ Relative loss factor @f=10kHz	$\times 10^{-6}$	25°C	<4
温度系数 $\alpha_F$ Relative Temperature Coefficient	$\times 10^{-6}$	(25~100°C)	-2.0~1.0
居里温度 $T_c$ Curie Temperature	°C		>170
密度 $d$ Density	kg/m <sup>3</sup>		4.90x10 <sup>3</sup>

注：以上为T25标环的典型值。

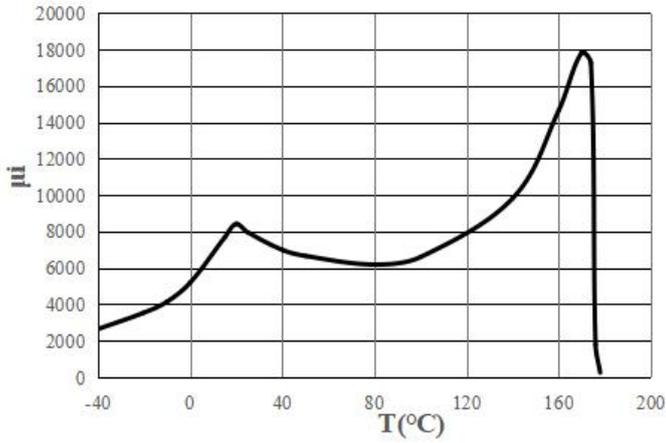


Fig.1 Permeability vs. Temperature

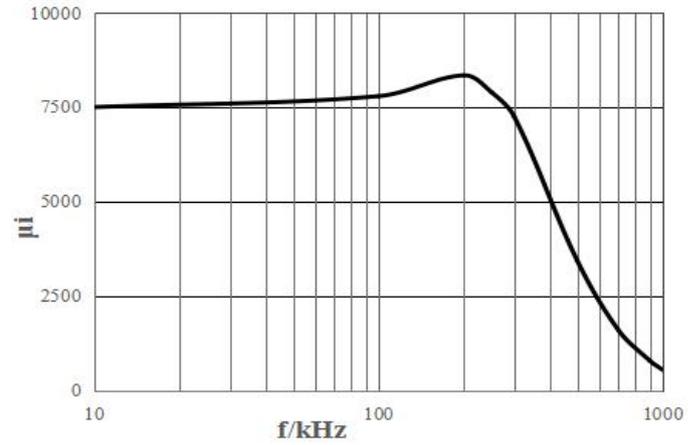


Fig.2 Permeability vs. Frequency

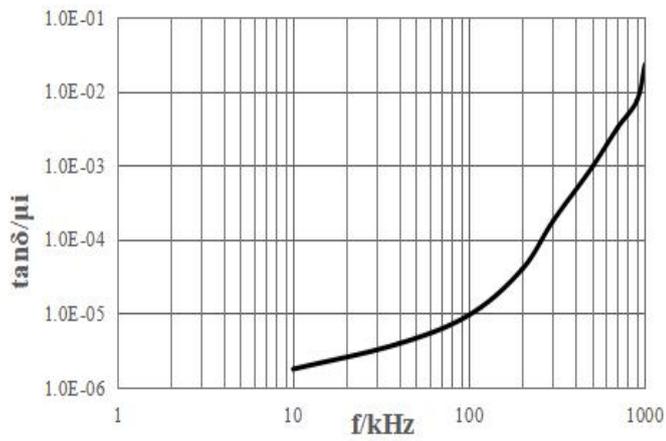


Fig.3 Relative loss factor vs. Frequency

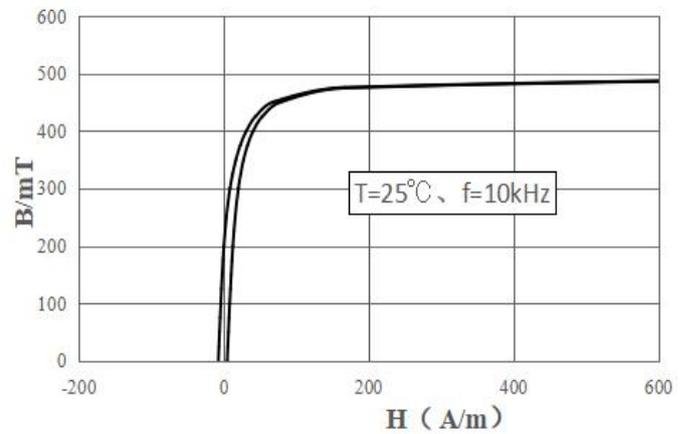


Fig.4 Magnetization Curves