

LF31材料特性

LF31 Material Characteristics

材料特性 Material Characteristics		温度 Temperature	典型值 Value
起始磁导率 μ_i Initial Permeability		T=25°C	2200±25%
饱和磁通密度Bs (mT) Saturation Matnetic Flux Density	50Hz, H=1194A/m	T=25°C	410
		T=100°C	280
剩磁 Br (mT) Residual Magnetic Flux Density		T=25°C	270
		T=100°C	160
矫顽力 Hc (A/m) Coercive Force		T=25°C	13
		T=100°C	8
比损耗因子 $\tan\delta/\mu_i(\times 10^{-6})$ Relative Loss Factor	100kHz	T=25°C	20
居里温度 Tc (°C) Curie Temperature		-	≥160
密度 Density(kg/m ³ ×10 ³)		T=25°C	4.90

注：测试采用T25*15*8磁环

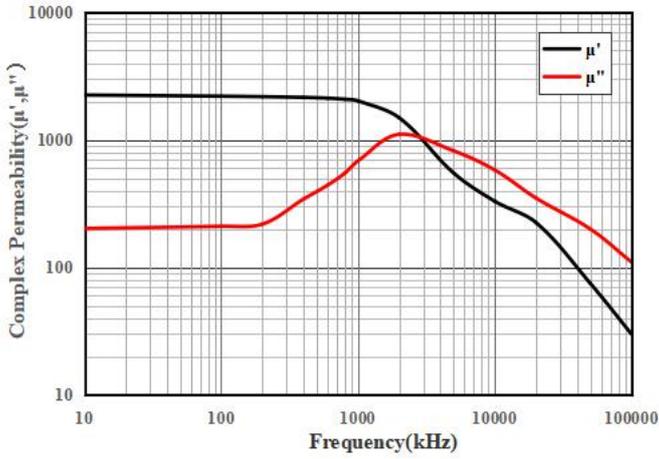


Fig.1 Complex Permeability vs. Frequency

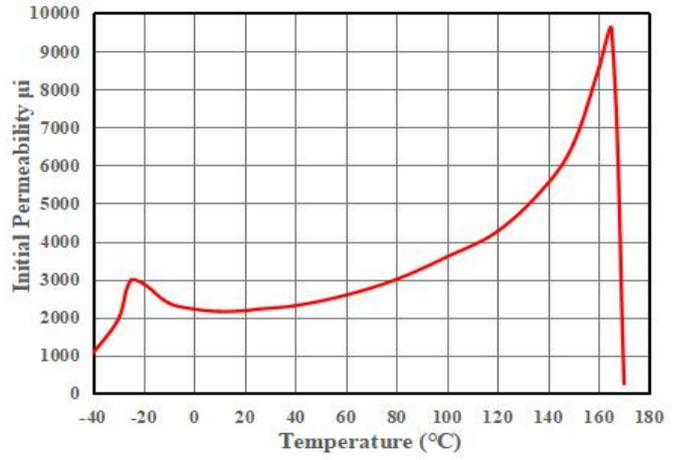


Fig.2 Permeability vs. Temperature

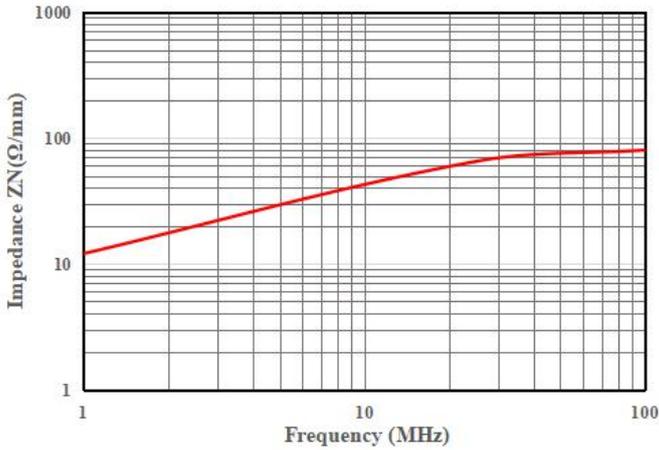


Fig.3 Impedance vs. Frequency

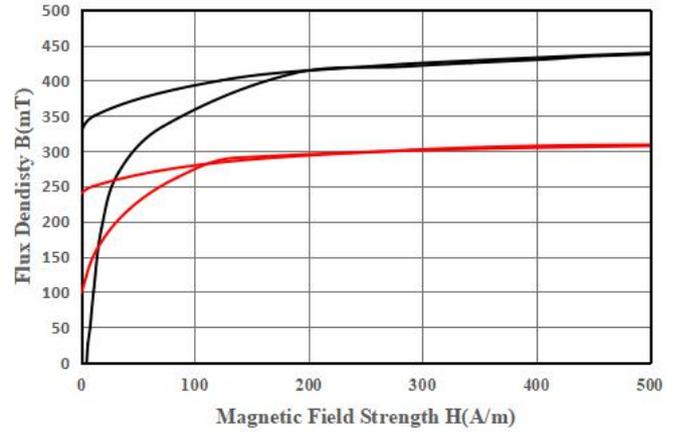


Fig.4 Magnetization Curves